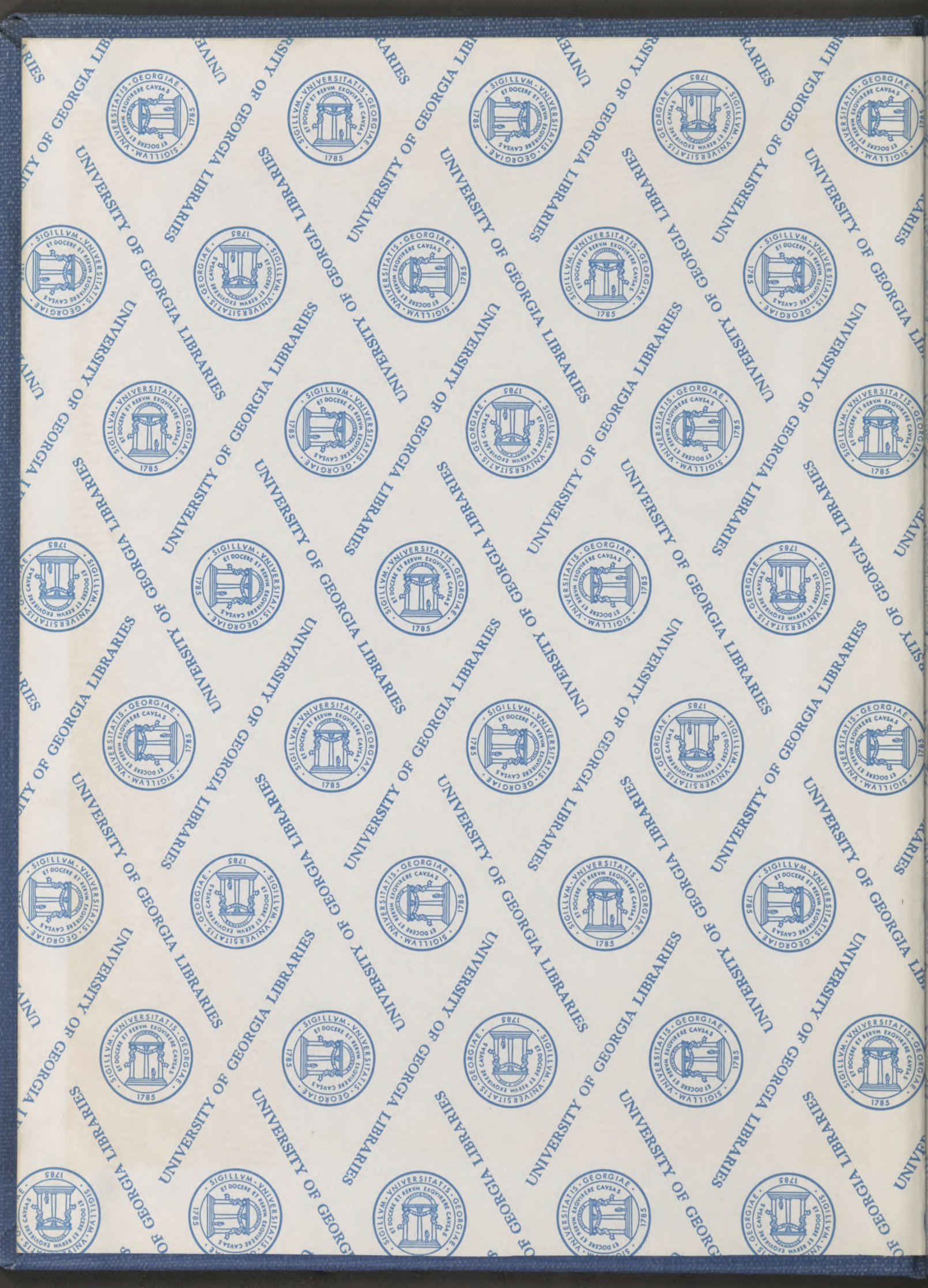
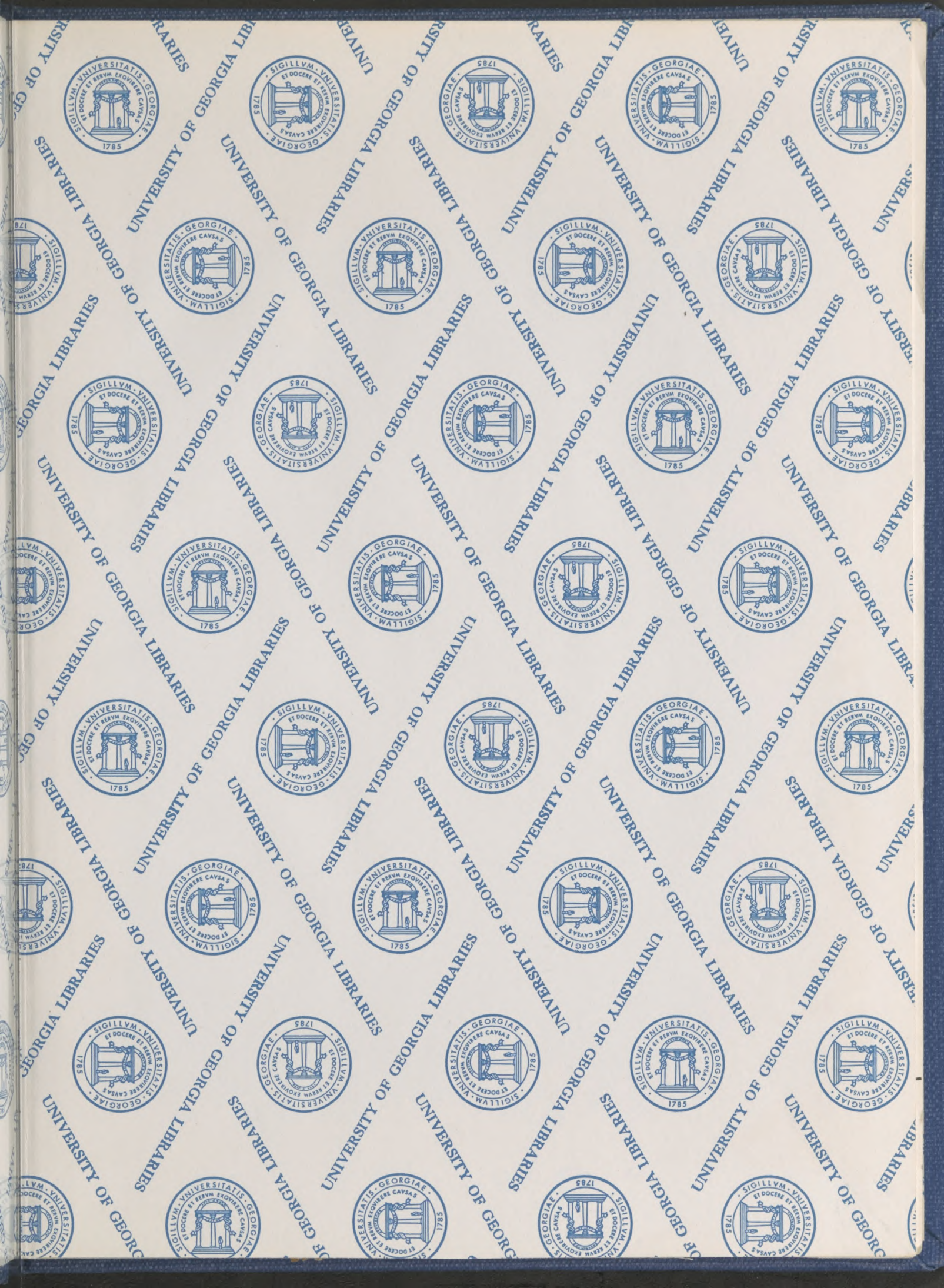


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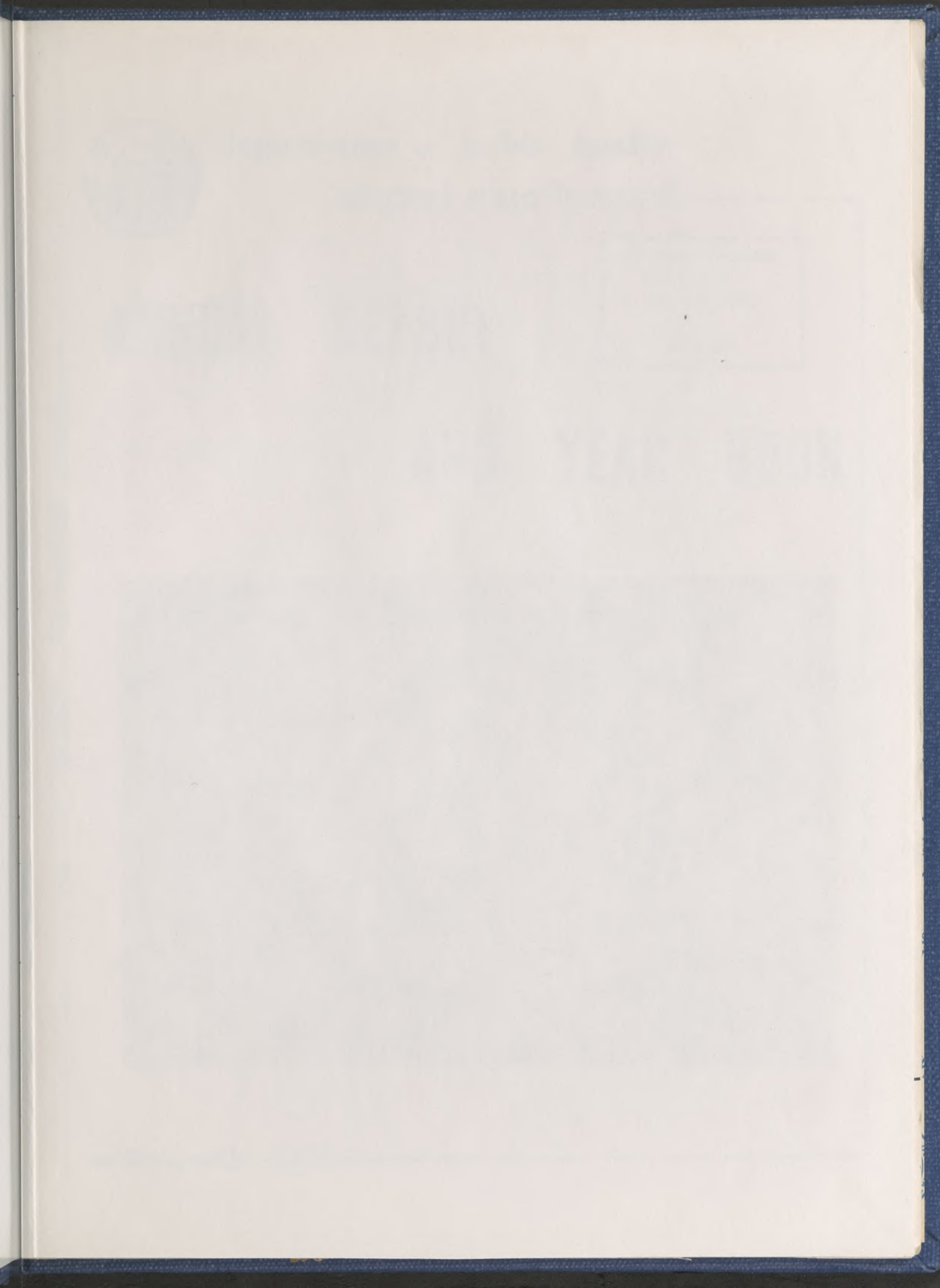




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department of public health  
central state hospital

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# ANNUAL REPORT

# AND YEAR BOOK



milledgeville - 1970







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#### THE COVER PHOTO

Governor Lester Maddox and Georgia Health Department Director, Doctor John Venable show little Mary Ann and Frankie some of the Christmas gifts provided by generous Georgia citizens for the patients at CSH. The program is sponsored annually by members of the Georgia Municipal Association.





## DIRECTORY

Honorable Lester Maddox  
Governor, State of Georgia

MEMBERS OF THE  
GEORGIA STATE BOARD OF HEALTH

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John M. Martin, M.D., Vice-Chairman  
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John H. Venable, M.D.  
Director, State Department of Public Health

Addison M. Duval, M.D.  
Director, Division of Mental Health

Charles K. Bush, M.D.  
Director, Hospital Services Branch

James B. Craig, M.D.  
Superintendent, Central State Hospital



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July 1, 1970

Doctor Charles K. Bush  
Director, Hospital Services Branch  
Division of Mental Health  
Georgia Department of Public Health  
47 Trinity Avenue, S.W.  
Atlanta, Georgia 30334

Dear Doctor Bush:

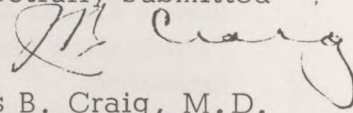
We present herewith the Annual Report of Central State Hospital covering the fiscal year ending June 30, 1970. You will notice that the format which received wide acclaim last year has been retained, with such modifications which progress inevitably makes necessary. We are happy that our hope, expressed last year that the report in its present form would be widely used as a source book, seems to have been realized.

Since, for the first time in our history we have our full complement of Assistant Superintendents, we have sectionalized the material under four headings: Administrative; Education, Training and Research; Clinical and Physical Health, corresponding to the responsibilities of the four Assistant Superintendents.

There is much in the report which presents cause for satisfaction as well as a feeling of confidence for the future. A steadily declining resident population in the face of increasing admissions and an On Book population which hovers just under 19,000, can only be attributed to a more effective treatment program, backed up by increasingly potent community mental health facilities.

We wish to express our thanks for continued sympathetic understanding of our problems, as well as a willingness on the part of Health Department staff to go the second mile in getting things done for the benefit of our patients. Your helpfulness and effective support has been a strengthening factor throughout the year.

Respectfully submitted

  
James B. Craig, M.D.  
Superintendent



## HIGHLIGHTS OF 1970...

Resident patient population decreased by 957 in spite of increased number of admissions and patients treated

Patient Affairs Division relocated for increased efficiency in operation

National Recognition given Medical Records Division for work in filing protective applications for patients' Social Security

Central Occupational Therapy building staffed and clinics operating

New Fire Station completed and partially staffed

Old Colony Recreation Area and Rehabilitation Garden for patients completed

Tenth Ward completely renovated including air conditioning of patient areas

Air Conditioning installed in sick wards in nine patient buildings

Ten dining rooms renovated with new cafeteria lines and serving equipment

Hospital Authority project for new sewage treatment plant to serve CSH, Milledgeville and Baldwin County completed

Plans completed and bids about to be let for new GM & S Hospital

CSH patients participated in State and National Olympics for handicapped, winning a number of medals in each.

Jones Medical and Surgical Hospital west wing renovated to provide modern facilities for OB-GYN and EKG

Hospital income (not provided by state) increased \$327,863 due to additional collections from medicare, patient pay plan and veterans services.

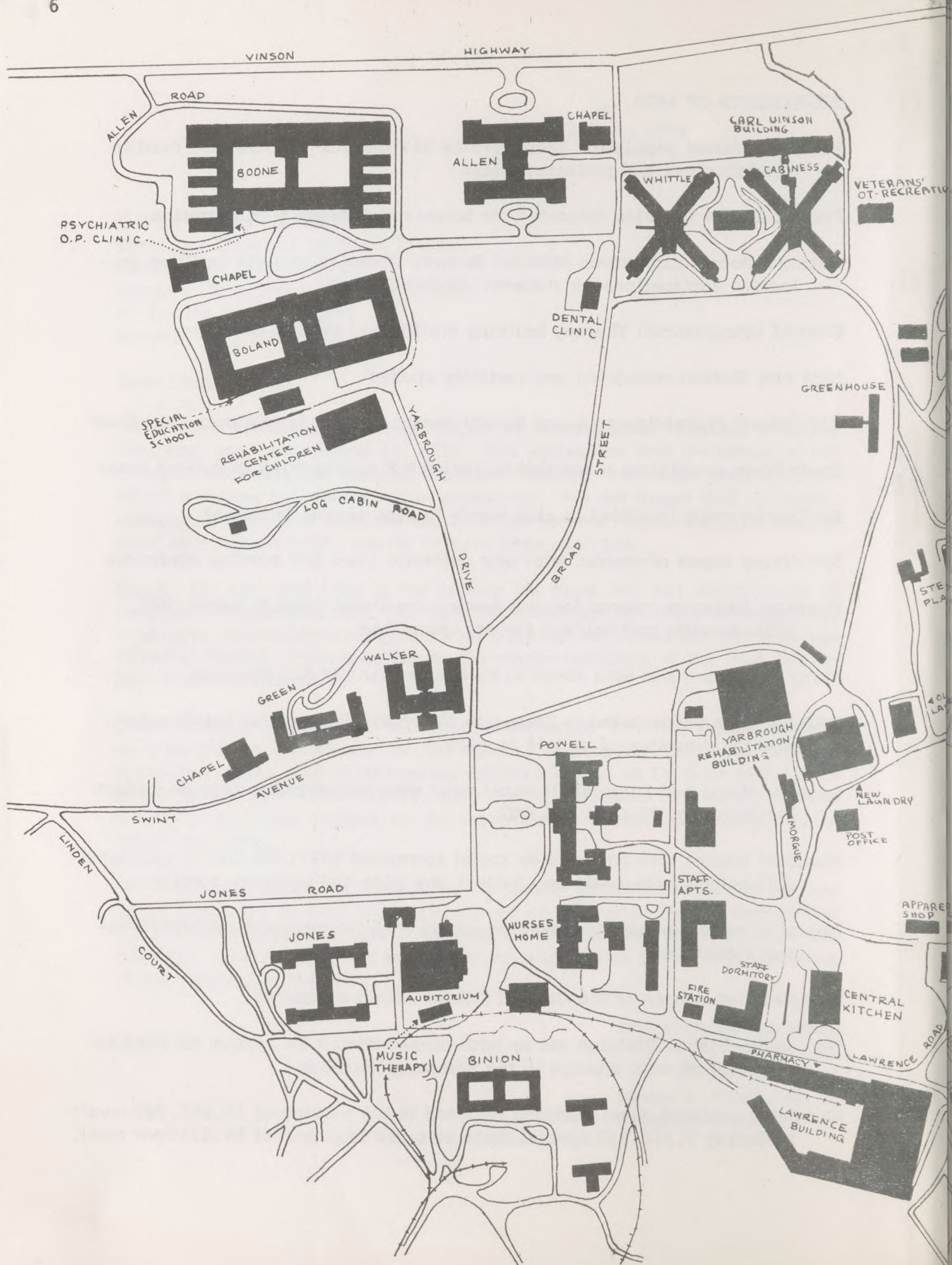
Neurological diagnoses improved by addition of Electromyograph and Ultrasonic Analyzer

Complete renovation of the Central Dental Clinic completed.

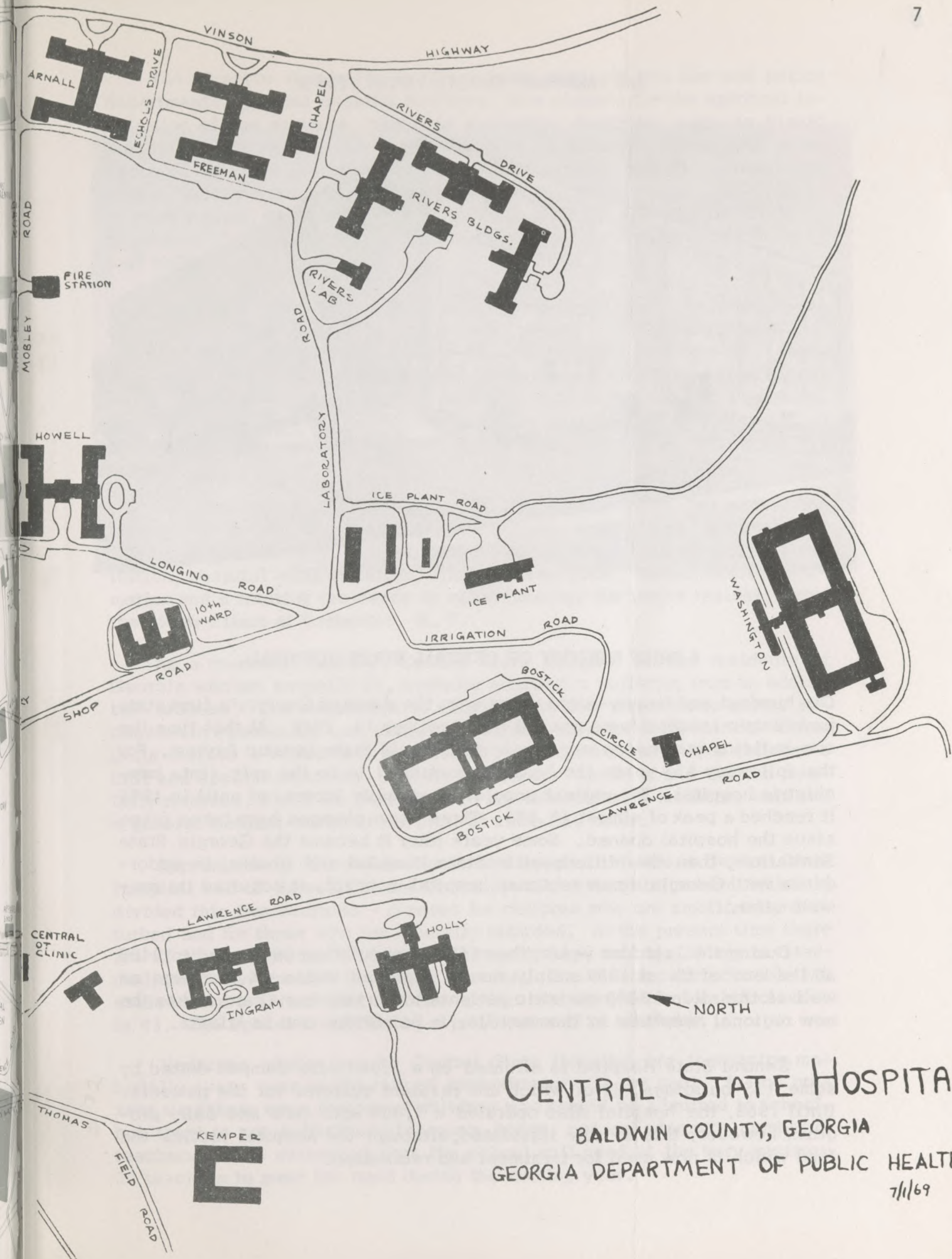
New Audio-Visual Division set up with closed circuit TV system for hospital in operation with studios in the Yarbrough Building.

5-72 Computer assisted menu planning resulted in the serving of 10,897,889 meals including 2,158,335 special diets at a raw food cost of \$0.2719 per meal.









CENTRAL STATE HOSPITAL  
BALDWIN COUNTY, GEORGIA  
GEORGIA DEPARTMENT OF PUBLIC HEALTH  
7/1/69



## THE YARBROUGH REHABILITATION CENTER



## A BRIEF HISTORY OF CENTRAL STATE HOSPITAL

One hundred and twenty-eight years ago, the doors of Georgia's first state psychiatric hospital were opened on December 15, 1842. At that time the one-building institution was known as Georgia State Lunatic Asylum. For the following 125 years the hospital continued to be the only state psychiatric hospital. The patient population steadily increased until in 1965 it reached a peak of almost 13,000. Three name changes have taken place since the hospital opened. Some years later it became the Georgia State Sanitarium, then the Milledgeville State Hospital and finally, in accordance with Georgia's new regional hospital concept, it acquired its present name.

During the last four years, the resident population decreased to 9408 at the end of fiscal 1969 mainly due to improved treatment programs as well as transfer of 3200 geriatric patients to nursing home care and to the new regional hospitals in Thomasville, in Bainbridge and in Atlanta.

Central State Hospital is situated on a 1,000 acre campus dotted by some 135 buildings, 24 of which are resident quarters for the patients. Until 1968, the hospital also operated a 9,000 acre farm and dairy program; however, this is now liquidated, although the hospital retains the land which is now used for treatment and recreation.



The massive institution is like a small city. It has fire and police departments, general hospital services, five chapels for the spiritual inspiration of the patients, complete recreation facilities such as picnic areas, a large gymnasium and auditorium, a baseball field, and water sports of all kinds available at a nearby lake, warehouses and maintenance shops, lumber yard, patient operated stores, laundry and steam plant, sewage control, cemeteries and bus service. Also in the Central Kitchen, more than 33,000 meals are prepared daily in an area the size of two football fields.

The budgeted employee work force numbers 4023 and includes these categories: Physicians 108, dentists 9, nurses 117, semi-professional and technical 2205, psychologists 12, MSW social workers 20, also, clinical chaplains, music therapists, recreation therapists, occupational therapists, teachers, vocational rehabilitation personnel and business, engineering, maintenance, construction and administrative personnel. A complete list of employee classifications will be found elsewhere in this report.

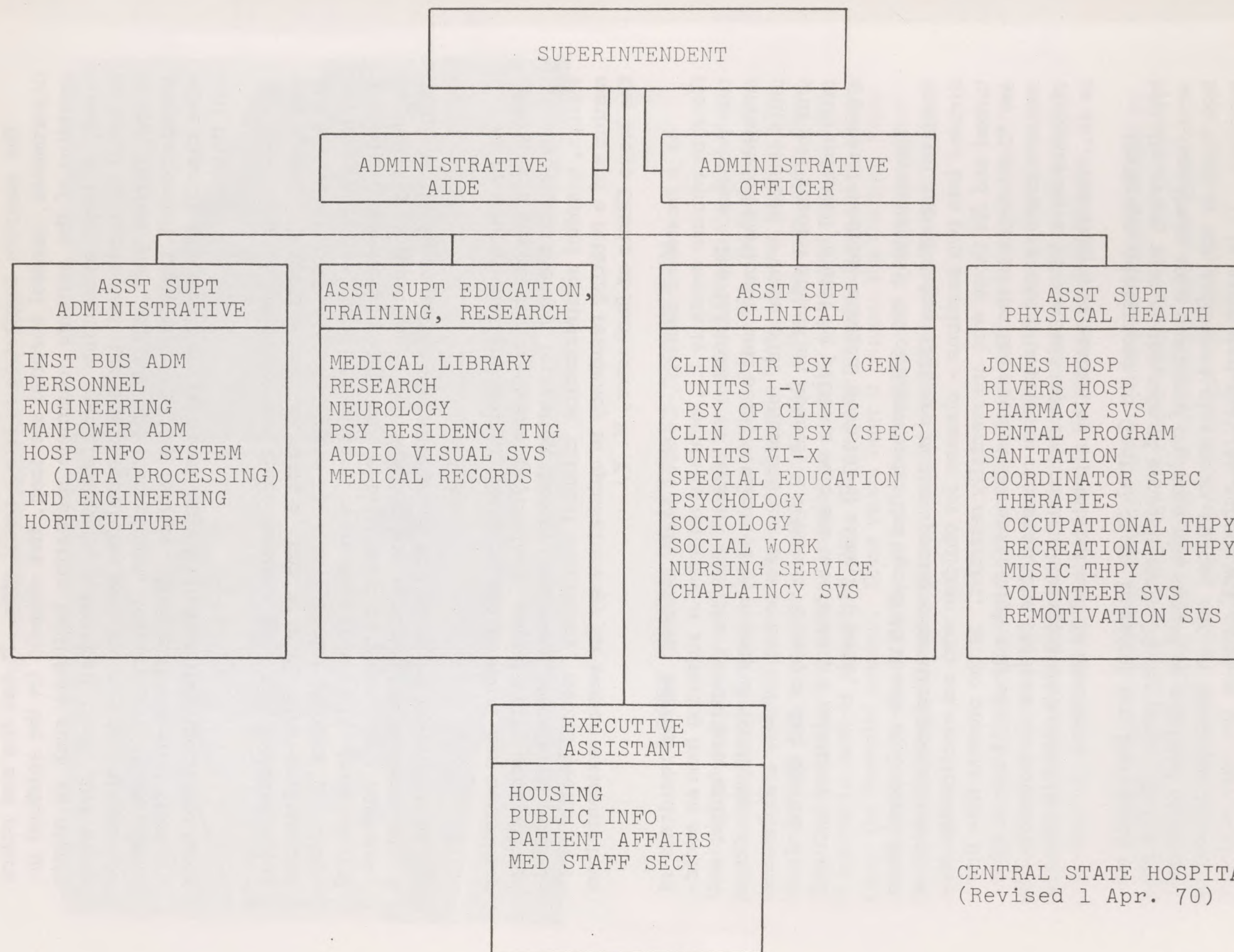
As an educational and training facility, the hospital has accredited programs in psychiatry, medicine, psychology, social work, occupational therapy, music therapy, recreation therapy, pharmacy, vocational rehabilitation, hospital administration, clinical chaplaincy, mental health information and a rotating residency in ophthalmology for senior residents from the Mayo Clinic at Rochester, N. Y.

As a treatment facility, Central State Hospital serves residents of Georgia who are mentally ill, mentally retarded or suffering from an addiction problem. The institution is divided into five psychiatric units, admission to a particular unit being determined by county of residence. Other units include a vocational rehabilitation center and school, a children's unit and special education school, a veterans' home, a unit for the mentally retarded, a unit for patients who are tubercular, a medicare unit and a general medical-surgical hospital of some 250 beds.

Approximately 700 children under the age of 18 reside at Central State Hospital and of these, 222 are in the special education school which is divided into two sections - classes for children who are emotionally disturbed and for those who are mentally retarded. At the present time there are 62 students in the EM section, 27 are in high school, 27 are in intermediate classes and 8 in primary classes. The classes for educable MR students have 55 enrolled and the number attending trainable MR classes is 43. The school is staffed by a principal and 24 teachers.

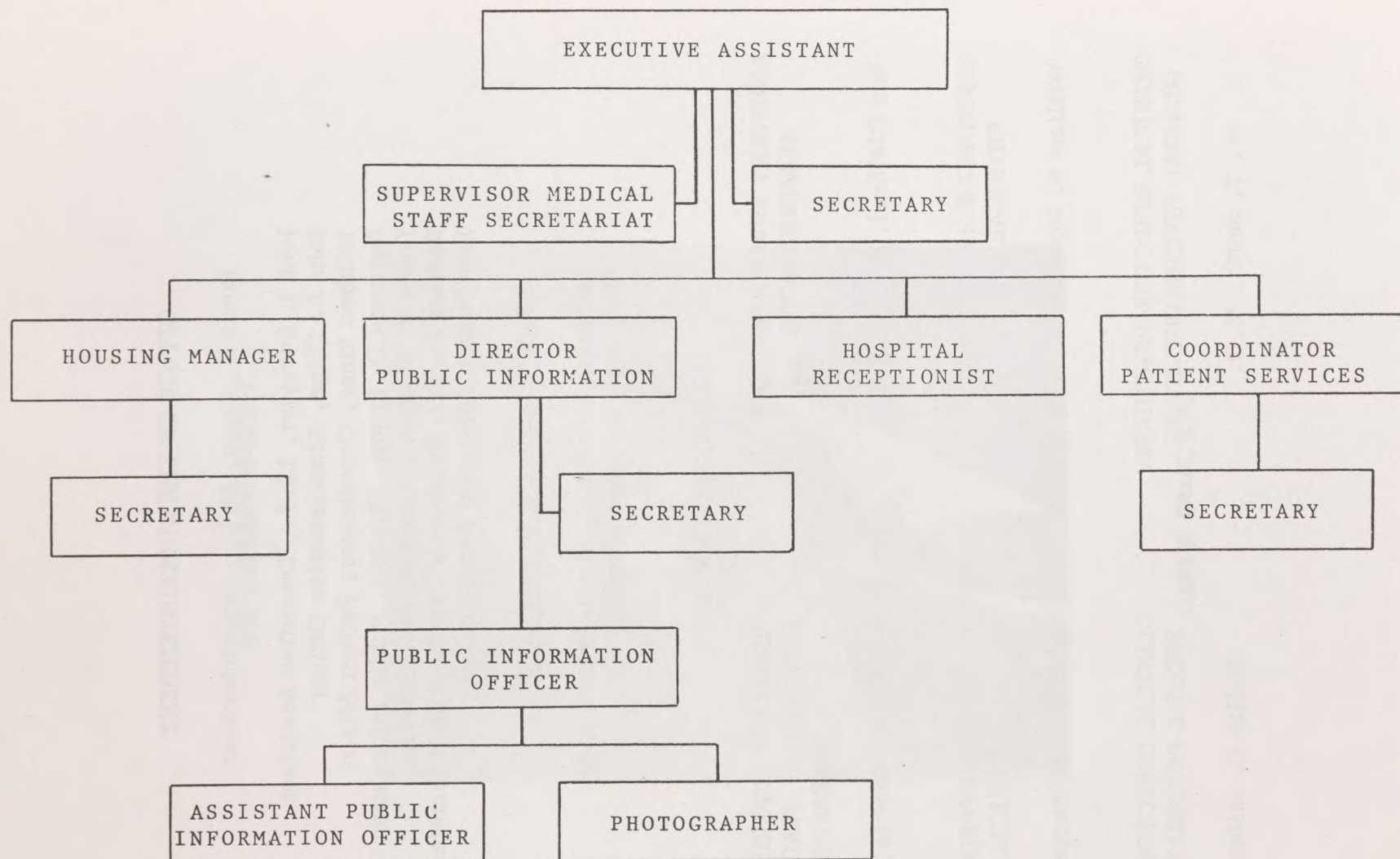
Underage admissions to Central State Hospital are increasing materially every year at the rate of approximately 33 per cent. At the present time there are a number of children who should be admitted to school, but there is not sufficient classroom space, nor an adequate number of teachers. It is estimated that the school will need at the very minimum 39 teachers to meet the need during the coming year.





CENTRAL STATE HOSPITAL  
(Revised 1 Apr. 70)





EXECUTIVE ASSISTANT  
(REVISED 1 AUG 69)



# OFFICE OF THE SUPERINTENDENT

James B. Craig, M.D., Superintendent

John J. Schuyler, LL.B., Executive Assistant  
 John R. Cline, Administrative Officer  
 Mildred Riner, Coordinator, Patient Affairs  
 Raymond D. Brown, Director, Public Information  
 James R. Emerson, Director, Staff Housing  
 Barbara Farmer, Supervisor, Medical Staff Secretariat  
 Jean Niblett, Hospital Receptionist

## Superintendent's Secretarial Staff

Katherine Batchelor, Administrative Aide  
 Mary McCrary, Secretary

## ADMINISTRATIVE STAFF

ASSISTANT SUPERINTENDENT  
 ADMINISTRATIVE

Rod Clelland, B.A., M.A.

ASSISTANT SUPERINTENDENT  
 PHYSICAL HEALTH

William R. Howard, M.D.

CLINICAL DIRECTOR-PSYCHIATRY  
 GENERAL PSYCHIATRIC UNITS

W. T. Smith, M.D.

ASSISTANT SUPERINTENDENT  
 EDUCATION, TRAINING AND  
 RESEARCH

John W. Kemble, M.D.

ASSISTANT SUPERINTENDENT  
 CLINICAL

Michael L. Sheppeck, M.D.

CLINICAL DIRECTOR-PSYCHIATRY  
 SPECIAL PSYCHIATRIC UNITS

Hollis C. Miles, M.D.



## THE SUPERINTENDENT



**JAMES B. CRAIG, M.D.**



## OFFICE OF THE SUPERINTENDENT

The Office of the Superintendent includes those departments reporting directly to him through his Executive Assistant, and which are funded through the Superintendent's budget. They include Staff Housing, Public Information and Education, the Medical Staff Secretariat, Hospital Receptionist, and the Patient Affairs Division.

### STAFF HOUSING

The division is responsible for the general oversight of staff quarters including renovations and renting of 97 houses, 50 apartments and 102 dormitory rooms. During fiscal 1970, 387 maintenance work orders were referred to the Engineering Division for service from the plumbing, electrical, and carpenter sections. A large number of these orders were for repairs to vacated houses and apartments and were initiated by the Housing Division. Others were initiated by the occupants themselves.

During the year 21 requests were received for private residences and due to personnel turnover, 14 vacancies occurred with 13 assignments completed. The exterior of 14 private residences were painted during this period. Requests for apartments totaled 22 with 15 vacancies occurring during the year in addition to two which were carried over from the prior year. All 17 were assigned. For the same period 46 rooms in the dormitory were assigned to males and 37 to females.

### PUBLIC INFORMATION AND EDUCATION

This department is charged by the Superintendent with the responsibility of collecting, editing and effectively presenting factual information about Central State Hospital, its programs and its staff in verbal, written and visual form to the hospital community and to the general public, utilizing whatever communications media will most adequately accomplish this result.

**MASS MEDIA COVERAGE:** The department initiated 108 news releases which went to 31 daily and 200 weekly newspapers, 150 radio and TV news outlets and a selected list of organizations and individuals. Sponsored and programmed 41 TV and radio interviews and educational programs dealing with various hospital activities. Release on computerization of hospital menus appeared in newspapers of 42 states, 3 foreign countries and resulted in 9 articles in professional magazines.

**PHOTOGRAPHIC COVERAGE:** Since July 1, 1969 the department photographer has taken more than 3050 individual black and white photographs, 3006



color slides and has provided more than 12,000 enlargements from 4 x 5 to 11 x 14 for the use of hospital departments and the mass media.

**SLIDE SHOWS:** All permanent shows were updated. Additional shows were provided for six hospital departments as well as for the Houston County Mental Health Clinic, Courts of Ordinary from Southeastern Georgia, several garden clubs and the Macon Social Security office. A special show was set up for Mercer University for a TV presentation.

**DISPLAYS:** Included continuous color slide show on Volunteer Services for Mental Health Week in Macon, display on "Milledgeville's Largest Employer" for the Baldwin County Fair, photo display of Public Information Services for "Ten Years of Progress" conference, photo display on Mentally Retarded Children at CSH for the "Tuesday's Child Fair" in Brunswick, and displays in all units of photos of patient activities for patient viewing.

**PUBLIC EDUCATION:** Department personnel directly sponsored and arranged seminar programs for 126 visiting groups totalling 5220 individuals. These included high school and college students, nursing students, various civic groups. Department personnel also provided orientation tours for new employees, various groups of professionals from other state institutions and a number of individual visitors from other states and countries. These groups are not included in the above total. The Director visited 83 colleges, high schools, vocational schools and schools of nursing with color slide shows on various hospital programs, as well as with recruitment material covering the mental health career field. A total of 4843 individual contacts were made through this program.

**PUBLICATIONS:** The department published the Annual Report and Year Book for 1969, the Weekly Bulletin, and a number of brochures including "A History of the Whittle Building," "Job Openings - Stipends for Graduate Study in Psychology" (revised), "Job Openings for Psychologists and Clinical Interns," "A Rewarding Career in Social Work," (revised), "Christmas Around the World," Central State Hospital map (revised), and a series of Central State Hospital folders for use at conferences.

#### PATIENT AFFAIRS

The Patient Affairs Division set up by the Superintendent in 1969 was faced with a number of problems related to the implementation of the new Mental Health Law which went into effect on January 1, 1970. The division was charged with the responsibility of processing some 15,000 petitions to



Ordinaries relating to patient admissions, convalescent leave and other matters affecting the hospital-county relationships. Petitions affecting more than 2500 patients on convalescent leave were handled during the year. Relocation of the division with added space, equipment, and facilities has materially aided in efficiently and promptly processing the necessary paper work.

#### MEDICAL STAFF SECRETARIAT

The work load of the division has materially increased during the year due to the new law which permits non-citizens to take the Georgia State Medical Examination as well as increased work relating to Medicare which requires periodic review of physicians working in the unit. The secretary continues to maintain all minute books, records and agenda of medical staff departments, the Clinical Review Committees, the Executive Committee meetings, and the handling of all records affecting the medical staff as required.

#### HOSPITAL RECEPTIONIST

The work of the Hospital Receptionist has also increased during the year due to an increased number of admissions as well as visits by families of residents. Since the receptionist is the original contact person for visitors to the institution, she is often responsible for the attitude with which the individual views the institution. A number of favorable comments from visitors regarding treatment by the receptionist were received during the year.



*Hospital visitors use many types of transportation*



## GEORGIANS SERVED.....

On Books, July 1, 1970 .....	18,677
Resident in hospital .....	8,451
On Convalescent Leave .....	10,226
Admissions:	
Total Admissions .....	6,625
First Admissions .....	4,603
Readmissions - CSH .....	2,022
Average daily resident population .....	9,060
Decrease over 1969 .....	585
Discharged direct from hospital .....	2,020
Patients placed on convalescent leave .....	9,155
Transferred out .....	513
Deaths .....	771

## BUDGET ACTUALS

State Appropriations .....	\$29,779,399.00
Agency Funds .....	<u>3,400,534.30</u>
	\$33,179,933.30

## EXPENDITURES

Personal Services .....	\$24,309,657.39
Operating Expense .....	8,378,412.21
Capital Outlay .....	<u>299,908.12</u>
Total Expenditures .....	\$32,987,977.72
Balance at close of year .....	<u>\$ 191,955.58</u>



There is a place for everything,  
In earth, or sky, or sea,  
Where it may find its proper use,  
And of advantage be.

Benjamin Warfield



# ADMINISTRATION

ASSISTANT SUPERINTENDENT

ADMINISTRATIVE



*Rod Clelland, B.A., M.A.*

INSTITUTIONAL BUSINESS ADMINISTRATION  
PERSONNEL  
ENGINEERING  
MANPOWER ADMINISTRATION  
HOSPITAL INFORMATION SYSTEM  
INDUSTRIAL ENGINEERING  
HORTICULTURE



## ADMINISTRATION

Following are the summaries of the seven major departments that are within the jurisdiction of the assistant superintendent responsible for administration. Each of them will speak for itself.

In addition to the intensification of administrative functions in each of these seven departments, Administration has been responsible for major changes in the institution's policies, budget and a considerable realignment of the general organization. Finally, Administration has originated a project management procedure in which existing sources are utilized to plan improvements in approximately 40 areas of the hospital.

### INSTITUTIONAL BUSINESS ADMINISTRATION

The appropriation for fiscal year 1970 for Central State Hospital was \$33,049,026 divided into the following major categories:

Personnel Services	\$24,314,776
Operating Expense	8,434,460
Capital Outlay	<u>300,000</u>
	\$33,049,236

The Legislature approved an additional 143 positions, but due to limited funds, we were unable to fill these for the full fiscal year.

The capital outlay funds were budgeted to the following projects:

Tenth Ward Renovation	\$ 49,300
Boone and Boland Bathrooms	213,600
Powell and Green Lighting	9,500
Patient Dining Rooms-Floor Covering	12,300
Outside Lighting	7,900
Dishwashing Rooms-Renovation	<u>7,400</u>
	\$300,000

The total amount of agency income received during the fiscal year was \$3,298,060, an increase of \$327,863 over fiscal year 1969. This increase in agency income was the result of increases in medicare collections, patient pay and veterans service.

A new budget and cost control system has been developed and will be operable July 1, 1970. This system will give better control of the expenditure of funds and will ensure that funds are expended as approved. The system requires that all documents affecting the purchase of property be processed through the computer for verification of funds.



Much progress has been made in upgrading housekeeping services in the various patient areas. Housekeeping studies and routine cleaning programs have been implemented in the following units:

(1) Unit VIII - Children's Building, Boland (Wards 7 and 8) and the Special Education School Facility.

(2) Unit IX - Boone and Boland Buildings.

(3) Central Housekeeping - Staff Dormitory and Apartments, Center Section - Powell Building, and Nurses Home.

Housekeeping studies have been completed and manuals prepared for Units II, V, and Rivers Hospital. A housekeeping program for these units will be implemented in the first and second quarters of fiscal year 1971.

Concrete floors have been sealed in the Whittle Building and are 75% completed in the Rivers Building. The sealing of these floors has resulted in a noticeable reduction in odors and gives the housekeeping department a better surface to clean.

A well-balanced training program for housekeeping personnel has been developed. This program has slides and scripts which were taken on the hospital grounds and they are used in the training program for all housekeeping personnel.

The new fire station will be completely manned in July 1971. Funds and positions were approved to staff the third shift and with these additional positions, we should have adequate coverage. Training programs are conducted for the new employees and continuing programs are held for all employees.

An accurate physical inventory of all warehouse and drug items was taken in June 1970, and this inventory has been placed in the computer. All receipts and issues for fiscal year 1971 will be processed into the computer and we will have better control of the physical inventory. New labor saving equipment (electric fork lifts, dock levelers, conveyors) have been purchased and installed. A physical inventory of all capital equipment is being taken and is scheduled for completion in September 1971.

The transfer of all food service personnel from the units to food service has been completed. This places the responsibility for all dining room operations under food service; however, due to inadequate staffing, it is still necessary to utilize attendants and other patient care personnel in some areas. When additional positions are approved for food service, it will no longer be necessary to utilize patient care personnel in these areas. The number of dining rooms has been reduced from 68 to 63 and will be further reduced in fiscal year 1971.



Computer Assisted Menu Planning was inaugurated in July 1969, with October, November and December 1969 menus. This capability enabled the serving of 10,897,889 meals, including 2,158,335 special and modified diet meals, during FY70, at a raw food cost of \$0.2719 per meal, an increase of 5% over FY69. This was in the face of an 11.8% increase in the cost of meat, fish, and poultry in the Atlanta area as reported by the U.S.D.A., during FY70. Surplus Commodity foods available for use dropped approximately \$100,000 during 1970.

Ten dining rooms were rehabilitated with new cafeteria lines, refrigerator-freezers, dishwashing machines, coffee urns, tables, chairs, and other serving equipment. This included dining rooms in the Walker, Binion, Freeman, Boone and Allen Buildings. Georgia State Department of Health Food Service Permits were received for the Boone Building dining room, Green Building dining room, five Arnall Building dining rooms, Vinson Building dining room, four Yarbrough Building dining rooms, and Children's Building.

A preventive maintenance program for all motor vehicles has been initiated. All motor vehicles are scheduled for service and maintenance and all drivers are required to maintain daily logs. A complete record of the operating and maintenance cost of each vehicle will be maintained.

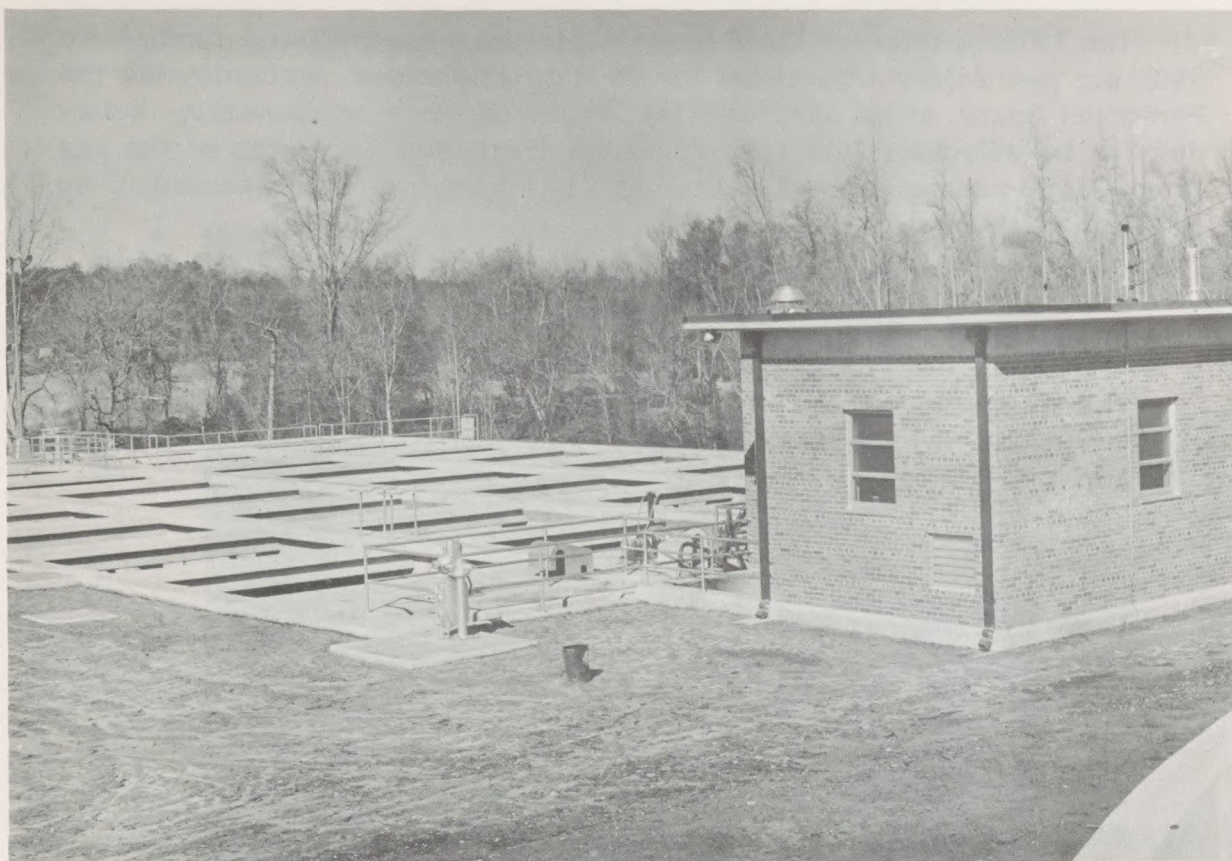
A complete study of our warehousing and procurement procedures has been made by a committee appointed for this purpose. The findings of this committee resulted in a recommendation for the creation of three major sections (procurement, inventory, and property control) under the direction of a materials manager. These recommendations have been approved by the Plans and Operations Committee and will be implemented early in FY71.

#### PERSONNEL DIVISION

On June 30, 1970, there were 4,023 regular employees on our staff, an increase of 190 over the end of the previous fiscal year. The largest gain was in the sub-professional nursing category. Increases were also made in the clerical and services categories.

During the fiscal year approximately 900 employees received salary adjustments as a result of class reassignments by the State Personnel Board. Included in these reassignments were physicians, dentists and nurses and positions within the clerical, trades, managerial, sub-professional, and manual labor categories. In compliance with provisions of the Fair Labor Standards Act the lowest entrance salaries were elevated from \$231 per month to \$255 per month during the year.





Central State Hospital operates its own water treatment plant which annually processes 676 million gallons of water. Shown above is the recently completed sewage treatment plant with a capacity of 7 million gallons per day and which will also serve the needs of the city of Milledgeville and Baldwin County.



Left: The new Fire Station  
Above: A number of ward areas were renovated.



The 1970 session of the Georgia legislature appropriated funds for a \$400 per year salary adjustment for all state employees. Accordingly, the Personnel Board, at its April meeting, approved a new compensation schedule to be effective July 1, 1970 which increased each step of the pay plan \$33.50 per month. All of our regular employees were assured of an increase in this amount.

A night salary differential for licensed nursing personnel was initiated on July 1, 1969.

The following is a tabulation of personnel actions during the year.

Appointments	1218	
Transfers	426	
Promotions	552	
Demotions	23	
Leaves of absence	227	
Return from leaves of absence	168	
Miscellaneous	778	
Separations	952	including 734 Resignations
		117 Dismissals
		18 Deaths
		23 Transfers to other agencies
		60 Retirements

Rate of turnover 23.6%

The number of appointments listed above is based on regular employees in pay status and does not include those on various types of leave without pay or employees on stipends. Consequently, a figure obtained by subtracting separations from appointments will not balance with the change in total employment.

A tabulation of personnel of the hospital by type is shown on a separate page.



A WINNING COMBINATION  
BEAUTY - AND COMPETANCE



Miss CSH for 1970 is Mrs. Brenda Underwood who is  
Secretary to Food Service Director, Maurice McNabb



## PERSONNEL BY TYPE AS OF JUNE 30, 1969 AND JUNE 30, 1970

	<u>1969</u>	<u>1970</u>
1. Physicians	101	108
2. Dentists	5	9
3. Nurses	110	117
4. Therapists	22	25
5. Engineers	7	7
6. Sanitarians	1	3
7. Physical Scientists	8	9
8. Nutritionists	3	3
9. Education & Information Specialists	8	8
10. Psychologists	6	12
11. Social Workers	17	20
12. Other Professions	23	21
13. Semi-Professional & Technical	2117	2205
14. Managerial	35	39
15. Clerical	302	322
16. Agricultural	12	22
17. Trades, Crafts, & Mechanical	306	312
18. Services	407	427
19. Manual Labor	<u>343</u>	<u>354</u>
Total	3833	4023



## ENGINEERING

The mission of the Engineering Division is to maintain adequate patient housing and related facilities in a safe and sanitary condition and to upgrade the facilities to comply with the standards of the Joint Commission on Accreditation.

The Engineering Division is comprised of 278 employees, including administrative and supervisory personnel. This division is responsible for the maintenance of seventy major buildings, housing approximately 9,060 patients; administrative offices, and other related functions. In addition to building maintenance this division also maintains 103 personnel dwellings that are assigned to staff members; approximately 20 miles of roads and streets; operates its own water treatment plant which processes 676,000,000 gallons of water annually; and operates its own steam plant to provide power for heating and air conditioning of buildings and operation of two laundries.

The following is a brief summary of the major Engineering Projects for 1970:

1. State Highway Department Program installed concrete curbs and gutters, underground culverts and paved the roads around the Bostick Building.
2. Hospital Authority project for new sewage treatment plant with a capacity of 7,000,000 gallons per day, to serve Central State Hospital, Milledgeville and Baldwin County was completed. Contracts were let and work begun on a system of lift stations and interceptor sewers to serve the hospital and surrounding areas.
3. Short term air conditioning units were installed in sick wards of nine patient buildings.
4. Three passenger elevators in the Powell Building were renovated with modern controls.
5. The Dental Clinic was completely renovated to include floor covering, improved lighting, repiping hot and cold water systems, new fixtures, and new vacuum evacuation system.
6. New floor covering was installed in the dining areas of the Ingram, Whittle, Walker and Green Buildings.
7. Contract was let and work begun to renovate eleven bathrooms in the Boone Building and one bathroom in the Boland



Building, renovation to include new fixtures with all interiors to have structural glazed tile. (75% complete)

8. Contract was let and work begun to renovate Tenth Ward to include new roof, exterior brick veneer, new aluminum windows, acoustical ceiling, increased electrical service, air conditioning of patient areas and installation of fire sprinkler system. (90% complete)
9. All windows were removed from the interior of patio in Boland Building. Windows were replaced with brick and structural glass block.
10. Improved lighting was installed in patient areas of the Powell, Green, Binion and Whittle Buildings.
11. The Pharmacy area in the Lawrence Building was expanded to provide additional facilities for storage and work areas.
12. Renovated Jones West wing to provide modern facilities for OB-GYN and EKG Departments.
13. Constructed TV studio in Yarbrough Building for use by Audio-visual Services.
14. Constructed Patient Information Office in Powell Building.
15. Installed improved electrical service in Holly Building, Old Laundry and Powell Building.
16. Installed outside lighting for Chapels 2 and 5 and on Lawrence Road and Yarbrough Drive.

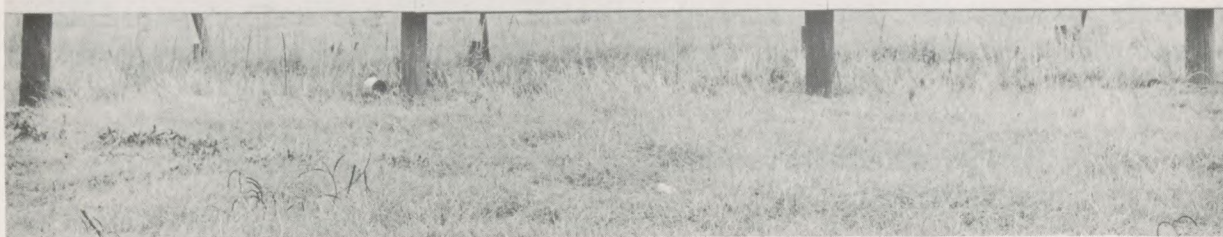
The Engineering Division actively participates in the Patient Rehabilitation Program. We are presently working with 45 patients who are being trained in the various fields of construction and maintenance. This program enables individuals to return to the "outside" prepared for useful employment through their experience and training in this program.

The capital outlay program for this division plans for all patient buildings to be air conditioned within the next ten years. This program will include construction of a new steam plant as the present plant is gradually becoming obsolete and will not meet the increased demand for steam that will be needed for our air conditioning program.



# **SITE OF THE FUTURE GENERAL MEDICAL & SURGICAL BUILDING CENTRAL STATE HOSPITAL**

STATE OF GEORGIA DEPARTMENT OF PUBLIC HEALTH  
BRADBURY & ASSOCIATES ARCHITECTS & PLANNERS ATLANTA



*Plans for the New General Medical and Surgical Hospital are almost complete*



*The site, fronting on the Vinson Highway, gives ample space for development*



Long range goals of this division are to establish a planned program of preventive maintenance and capital outlay projects to provide a pleasant environment for patients and employees, with an ultimate goal of providing adequate buildings and utilities to enable the hospital to meet its objectives of proper treatment and rehabilitation of patients.

#### DIVISION OF MANPOWER ADMINISTRATION

The Division of Manpower Administration is concerned with the determination of requirements for and allocation of personnel resources and optimum utilization of these resources. This is accomplished through the development of staffing standards, employee training, organization, policy and procedure formulation and management auditing. Other programs are grants management, forms control, printing and various staff services as required. The following are some of the significant events of the year.

1. The division assumed responsibility for the secretariat of the Plans and Operations Committee and for the direction of the Print Shop.
2. Developed policies and procedures for and initiated a forms control program.
3. Initiated manpower audits in hospital units and prepared staff/patient ratios on a regular basis.
4. Prepared, staffed and published 54 amendments to the Policy Manual including 24 new policies, 12 new procedures, 12 revised policies and six revised procedures.
5. Initiated preparation of a Staffing Guide for the entire hospital.
6. Processed 210 training applications, prepared and submitted 602 Employee Training Records, and coordinated preparation of and forwarded 3,950 Training Record Questionnaires.
7. Planned and coordinated presentation of three management training courses and coordinated the hospital's participation in a supervisory development course presented by the State Department of Education. Completed preparations for training in Planning, Programming and Budgeting Systems to be conducted during FY71.
8. Prepared, staffed and published 69 discrete amendments to the organization chart.



9. Processed approximately 2,000 jobs at the Print Shop producing approximately 800,000 printed cards and 4,000,000 printed sheets.

## HOSPITAL INFORMATION SYSTEM

During the fiscal year 1970, the Hospital Information System designed, programmed and implemented a number of new systems, a summary of which follows.

A public release on the menu planning system for the central kitchen resulted in national and international interest and requests for additional information were received from more than 48 states and five foreign countries.

1. Pharmacy Inventory System

This system provides and maintains a perpetual accounting for all drugs and pharmaceutical supplies stored at Central State Hospital.

2. General Inventory System

This system, much like the Pharmacy, maintains a perpetual record of all food, clothing, engineering, and supply items stored at Central State Hospital.

3. Patients' Payroll System

This accounting system produces auditable records of our payments to working patients.

4. Patient Recidivism Analysis

This system calculates the rate of return of patients released from various units within the hospital. It provides a superficial method of evaluating our patient treatment program.

5. Annual Statistics Reporting System

This system calculates and maintains statistics on a yearly basis for use in printing the annual reports. Some of the information contained in this system is as follows: Admissions of patients by class, Patients within the Hospital by diagnosis, Transfers out of the Hospitals, Transfers into the Hospitals, Separations and Discharges.



6. File Maintenance System

This system was created for the purpose of retrieving from the patient information files information in an expedient manner. We are called on to utilize this system almost daily.

7. Patient Clinic Scheduling System

This system produces reports of appointments which the patients have with the ancillary functions in the Jones Hospital. These reports are made available to the wards and buildings so that they may prepare patients for appointments. This system also provides a reminder to wards and buildings regarding specific medication that patients must have.

8. Movable Capital Equipment Inventory System

This system maintains a perpetual inventory of all items which have a value of \$25 or more and an expected life of one year or better. It provides the hospital with the ability to maintain inventories by department or unit and capture transfers, both inter-department and intra-department.

9. Personnel Action Transmittal System

This system provides a means of transmitting to the Department of Public Health all personnel transactions. These transactions, such as promotions and increases to salaries, update the payroll files at the Department of Public Health and provide an expedient means of obtaining an accurate payroll.

10. Budget Planning System

This system provides the hospital with the facilities of capturing and printing the annual budget in advance, by department and unit, and consolidating into a hospital budget for the fiscal year. It also provides the facilities to alter and revise the budget as required.

Major maintenance and enhancements were applied to the following systems in fiscal 1970.





*The Central Kitchen dispenses  
30,000 balanced meals per day*



*Computerized menus have con-  
siderably reduced food costs*



*Small steaks are accumulated and  
provide a welcome change in diet*



*The bakery turns out pies, cakes  
and 2000 loaves of bread per day*



1. Patients' Information System

This system was enhanced to provide more pertinent information regarding the patient's history and background. The facilities were also provided to send via a tele-communications device to Atlanta the entire patient information files and to update these files with relevant information periodically. This will give the Department of Public Health the facility of a central patient census file.

2. Patients' Deposit Fund

This system was enhanced to provide daily updating of patients' deposits and withdrawals allowing the patient to more regularly utilize his checking account here at the hospital.

3. Menu Planning

Menu Planning has been maintained and enhanced to provide the Food Service Director more and better control over the raw food costs.

4. Personnel System

This system has been enhanced to provide management with more adequate reports regarding vacancies and personnel transactions.

Systems which were designed in 1970 and scheduled for implementation in early 1971 are as follows:

1. Budget and Cost Control System

This system will provide the management of Central State Hospital with accurate and expedient information regarding the budgets and encumbrances to these budgets of each and every department and unit within the hospital, ultimately capsuling this report to a hospital-wide budget and encumbrance report.

2. Cost Findings

Cost findings is in the process of being designed and will provide the hospital with the facility of acquiring more agency income from federal and industrial insurance programs.



This system will also provide management of the hospital with better cost information thus giving them the facilities to better manage our scarce resources.

### 3. Credit Union

The Credit Union has asked that the Hospital Information System design, program, and implement an accounting system for the accounts which they maintain for the personnel at the hospital. This system is being reviewed by the hospital management and should begin the design phase no later than September 1970.

In addition to the above, the Hospital Information System has been called on at the rate of approximately thirty (30) times per month to provide to hospital management special statistical reports regarding patients, the budget, and personnel.

The computer utilization has steadily increased over the past fiscal year from 90 central processing unit hours in June 1969, to 170 central processing unit hours in June 1970.

The staff of Hospital Information System consists of a Data Processing Manager, a Systems Analyst, a Programmer II, three Programmer Trainees, three Computer Operators, five Key Punch Operators, and a Secretary. The staff continues to further its capabilities through the educational facilities provided by the IBM Corporation through its General Education and Medical Offices in Atlanta.

The Hospital Information System continues to aid the hospital in meeting its objectives by providing management with expedient information in areas concerning resources and patient care.

## INDUSTRIAL ENGINEERING

Industrial Engineering has become the "locus of information" for the Medicare, Medicaid, and National Health Insurance programs at Central State Hospital by gathering all available information into their office. Detailed reference manuals are being completed which correlate Federal and Georgia laws, list conditions of participation, show guidelines for gaining participation in all phases of Medicare and Medicaid should they become available, describe existing procedures in detail, and make recommendations for additional participation in Medicare and Medicaid.



Industrial Engineering also has the continuing responsibility of surveying new decisions, rulings, and laws to maintain a current knowledge of Medicare, Medicaid, and National Health Insurance programs. In this manner, Central State Hospital can be more alert to and take advantage of additional sources of revenue with which the quantity and quality of patient care can be improved. Income derived from implemented recommendations during the first six months of 1970 fiscal year will far exceed the cost of conducting the project.

Projects, upon which Industrial Engineering was working when the Medicare-Medicaid Project assignment was received, were delayed until completion of the Medicare-Medicaid Project. The Budget Simulation, the Total Linen System's Study, and the Industrial Engineering Manual will first be reinitiated. Upon completion of one or more of these projects, studies in Nursing Time and Motion, Printing Cost's Comparison, and Communications (TWX) are being planned and scheduled. An advanced course for Data Technicians, who have completed one of the basic courses conducted by the Industrial Engineering Division, is being tentatively planned for this fall or winter.

#### HORTICULTURE

Three new projects begun during fiscal year 1970 included the reconstruction of the old Colony pond orchard for a recreation area for patients, the renovation of the grounds of the old cemetery, and a new rehabilitation garden between the Rivers Building and the Vinson Highway.

The old Colony pond area will be one of the most important recreational areas for hospital residents and is now approximately 20% completed. It will be divided into several sections so that many functions can be carried on simultaneously. Scuppernongs and muscadines have been rooted and will be ready for planting in the fall. This part of the new orchard will cover 10 acres and will also include apples, pears and blackberries.

Renovation of the old cemetery is about 40% complete and has been planted with Bermuda grass and made much more attractive. Garden Clubs of Georgia, Inc. furnished 2,000 narcissus bulbs which were planted in the western section of the cemetery under loblolly and short leaf pines, and beside the walks that are being established throughout the cemetery, azaleas, camellias and flowering shrubs will be planted. Dogwoods and flowering cherries have already been planted.

The rehabilitation garden project was started three years ago and includes an eight acre area which will function both as a picnic grounds and a flower garden. The building was finished this year and zoysia grass



will be planted on the bank on the north side of the building as soon as possible. More than 1200 ft. of walks are to be planted with various grasses and flowering perennials in the north area and with azaleas and camellias to the south. In addition to this a garden for the blind is contemplated which will include various types of scented plants as well as those with different leaf textures.

The greenhouse is producing as many flowers as can be adequately arranged. The arrangements go to the hospital wards and various other patient areas. Forty thousand cut chrysanthemums were produced as well as 36,000 snapdragons; however, this only allows about 20 arrangements for each ward per year. In addition, floral arrangements are furnished for each funeral that is held in the hospital chapels. Floral arrangements are supplemented by pot plants of geraniums, coleus, begonias, gloxinias, and ageratum.

Bedding plants are furnished for the garden clubs of the hospital for planting in the various hospital areas by patient members.

All patients assigned to the department are on the Patient Pay Program and most come from the Yarbrough Building through the Vocational Rehabilitation Division.





Canst thou not minister to a mind diseas'd,  
Pluck from the memory a rooted sorrow,  
Raze out the written troubles of the brain,  
And with some sweet oblivious antidote  
Cleanse the stuff'd bosom of the perilous stuff  
Which weighs upon the heart?

Macbeth



# CLINICAL

ASSISTANT SUPERINTENDENT

CLINICAL



*Michael L. Sheppeck, M.D.*

GENERAL PSYCHIATRY  
SPECIAL PSYCHIATRY  
NURSING SERVICE  
PSYCHOLOGY  
SOCIAL WORK  
SOCIOLOGY  
CHAPLAINCY SERVICE  
SPECIAL EDUCATION



## UNIT 1

BUILDINGS: Powell (Const. 1858 - remodeled 1955), Walker (Const. 1883)  
Green (Const. 1947), 10th Ward (Const. 1938)

NUMBER OF WARDS: 13

PATIENT CENSUS (June 30, 1970): 1100

ADMISSIONS: 973

DIRECTOR: Santiago Aguilar, M.D.

ADMINISTRATOR: James Tate

DIRECTOR OF NURSING: Mrs. Ouida Couch, Registered Nurse

COUNTIES SERVED: (3) Fulton, DeKalb and Clayton

This Unit includes admissions coming from the Metropolitan Atlanta area, the number of patients from Fulton County being the largest. The two admission wards are located in the Powell Building, which includes four other wards. The main domiciliary buildings are Green and Walker, which house females and the 10th Ward which houses males. The Unit includes a complete roster of treatment services including psychology, social service, occupational therapy, music therapy, recreation therapy, and chaplaincy services. During the past year patient involvement in various hospital activities increased considerably.

A close working relationship and liaison has been maintained with state mental health resources such as the Georgian Clinic, the Georgia Mental Health Institute, the Atlanta Regional Hospital, and comprehensive mental health centers in Fulton, DeKalb, and Clayton Counties. These aftercare programs are proving increasingly effective in helping the patient remain out of the hospital.

All physicians in the first and second year of the Psychiatric Residency Training Program remain in the Unit thus providing the patients with considerably more medical supervision than they would otherwise receive.

The Unit's population also increased last year when it was assigned responsibility for mentally ill individuals housed in the Georgia Rehabilitation Center for Women.

The major need of the Unit for the coming year is air conditioning of



two large buildings, Green and Walker. The 10th Ward building is being completely renovated. The outside is bricked and a new roof installed. Interior renovation includes new windows, new walls, a new sprinkler system, new bathrooms, a special clothing room and other facilities. The air conditioning of the building was completed this past year. Also during the year the Green Building was painted, Walker 1 (sick ward) was air conditioned, and the dining areas in both Walker and Green were completely remodeled.

### ALL WORK AND NO PLAY... HOW DOES IT GO?



*An effective intramural sports program provides year-round recreation in most major sports. Competition is keen and trophies are awarded at the end of each league schedule. Recreation, like all other patient activities at CSH, is included in the patient's therapeutic program. Recreation Therapists supervise*



## UNIT 2

BUILDINGS: Bostick (Const. 1951) and Washington (Const. 1950)

NUMBER OF WARDS: 20

PATIENT CENSUS (June 30, 1970): 1362

ADMISSIONS: 1214

DIRECTOR: Eduardo Guernica, M.D.

ADMINISTRATOR: Paul W. Mitchell

DIRECTOR OF NURSING: Mrs. Fay Fidler, Registered Nurse

COUNTIES SERVED: (45) Bibb, Crawford, Peach, Houston, Taylor, Macon, Dooly, Pulaski, Chattahoochee, Marion, Schley, Sumter, Crisp, Wilcox, Stewart, Webster, Cook, Quitman, Randolph, Terrell, Lee, Worth, Irwin, Turner, Calhoun, Ben Hill, Dougherty, Berrien, Early, Miller, Baker, Mitchell, Colquitt, Seminole, Clay, Tift, Grady, Thomas, Brooks, Muscogee, Lowndes, Lanier, Echols, Decatur, Harris

The overall objective of the Unit is to improve patient care through improved treatment programs, better nursing care, improved physical plant and equipment, and reduction of patient load. In regard to the latter, the patient census at the end of the year was 1362 compared to 1428 at the end of the previous year, despite a full year's experience of the addition of Muscogee County to this Unit.

Psychiatric treatment follows basically an eclectic approach with all disciplines, occupational therapy, music therapy, recreation therapy, social service, psychology, and chaplaincy participating directly with the psychiatrist in a co-ordinated therapeutic effort through an active milieu program. By this the patient is kept active most of the day. This program operates in the intensive treatment wards and progress is being made in order to provide a similar program in Washington 1. Unfortunately, inadequacy of personnel and overcrowding are hindering further progress. The results seem encouraging and it is hoped that somehow in the future the program can be extended to other wards.

In regard to physical illness, each building has its own sick ward where minor illnesses are treated. Patients with major illnesses are trans-



ferred to the Medical and Surgical Unit in the Jones Hospital for their treatment.

While improved patient care is the basic objective of Nursing Service, nursing education has received special attention during the past year. Registered nurses have attended management development courses, a course on mass casualties held at the Medical College of Georgia in Augusta, a course on alcoholism presented by the Georgian Clinic in Atlanta, and a course on staff development for professional nurses held at Central State Hospital.

Although social service has remained primarily related to routine services because of the lack of staff, there has been considerable work with patient groups. A major emphasis has been on nursing home placements as a significant means of reducing patient population thus increasing the staff-patient ratios.

Building and equipment improvements continue at a satisfactory level. Highlights of construction were the completion of the Bostick road and circle - complete with sidewalks, curbs, and drains. The badly needed linen rooms on all the wards in the Bostick and Washington Buildings were completed. A new drug room has been constructed and will be in operation early next year. The contract using current year funds has been let to tile the remaining six wards in the Bostick Building. Modernization and replacement of equipment continued. There were no personnel increases during the fiscal year.





## UNIT 3

BUILDINGS: Holly (Const. 1949), Ingram (Const. 1928), Howell (Const. 1939)

NUMBER OF WARDS: 20

PATIENT CENSUS (June 30, 1970): 1232

ADMISSIONS: 1227

DIRECTOR: Jose A. G. Mendoza, M.D.

ADMINISTRATOR: R. O. Pennepacker

DIRECTOR OF NURSING: Mrs. Frances Osborne, Registered Nurse

COUNTIES SERVED: (38) Richmond, Jefferson, Burke, Johnson, Treutlen, Emanuel, Jenkins, Screven, Laurens, Charlton, Effingham, Wheeler, Toombs, Candler, Bleckley, Montgomery, Tattnall, Bulloch, Coffee, Chatham, Atkinson, Long, Camden, Evans, Jeff Davis, Liberty, Brantley, Dodge, Telfair, Bacon, Wayne, Appling, Pierce, McIntosh, Bryan, Ware, Glynn, Clinch

Admissions during the last year increased by 151 to a total of 1227; however, the census decreased by 82 to a total of 1232, due in a large measure to patients being successfully placed in nursing homes. Monthly admissions averaged 102 this year as against 92 last year. Monthly returns from furlough averaged 66 for both years.

During June of the year, the Social Work Division recruited 128 volunteers from two local high schools. The students assisted Unit personnel in individualized services for the residents. The volunteers spent their time writing letters, involving the patients in the cosmetology parties, helping regressed patients become active in ward programs and just talking to patients. The project has been so successful it will be continued during the coming year.

The dental clinic operatory completed the screening of all patients, performed extensive dental repair and generally improved oral hygiene in the Unit.

In-service education was enhanced by the full time assignment of a



registered nurse as an instructor, which permits continuous on-the-job training for ward personnel in improved nursing techniques; however, registered nurse staffing in other areas is critical.

Housekeeping was expanded with the assignment of a supervisor for the male service in the Howell Building. A number of patient areas were improved, the square footage per patient was increased and continuing improvement in these two areas will be a major project of the new year.

A considerable amount of new equipment was added during the year permitting much better recording of patient records. New beds have been added in several areas and Ingram 1 North and Howell 2 North, both sick wards, have been air conditioned.

Some adjustment in ward alignment was made making physician and nurse coverage more available to the patients. Computer listing of patients going to the Eye Clinic and other clinic appointments has been of great assistance. The affiliation of the nursing students from Georgia College at Milledgeville has been helpful in providing better patient care. Twenty-six students completed their affiliation in Unit 3 this past year.



*The old fishin' hole provides conversation, relaxation and, sometimes, fish*



## UNIT 4

BUILDINGS: Freeman (Const. 1939), Arnall (Const. 1939 - new addition 1962)

NUMBER OF WARDS: 17

PATIENT CENSUS (June 30, 1970): 1414

ADMISSIONS: 1292

DIRECTOR: Charles A. Rich, M.D.

ADMINISTRATOR: William W. Curl

DIRECTOR OF NURSING: Mrs. Ruth Mullis, Registered Nurse

COUNTIES SERVED: (28) Catoosa, Walker, Whitfield, Murray, Dade, Gilmer, Chattooga, Floyd, Gordon, Bartow, Pickens, Cherokee, Haralson, Paulding, Cobb, Polk, Carroll, Douglas, Heard, Coweta, Fayette, Talbot, Spalding, Meriwether, Troup, Upson, Pike, Lamar

Admissions to this Unit come from 28 counties in the northwest corner of Georgia. The Unit census shows a net reduction of 129 patients during the past year. The reduction was brought about by the transfer of patients to the regional hospital at Thomasville as well as by the placing of nursing home candidates from the Unit into geographical areas served. Admissions have been averaging over 100 per month.

The Unit operates three admission wards, one male and two female. Unit 4 continues to operate a sick ward that could be classified as a skilled nursing home. This ward has qualified personnel and adequate coverage for any given 24 hour period. Ward areas have been improved and the reduction of patient census has allowed more space per patient on each of the wards.

A new dental operatory was installed in the Arnall Building. A full time dentist, a hygienist, and two aides staff this department. Expansion of services by the special therapies has helped considerably with the continued treatment of patients confined to Unit 4. Ward programs have been started by occupational and recreation therapy.

The treatment programs in the Unit have changed slightly during the year due to a turnover of the medical staff; however, they continue to be



more than adequate, and chemotherapy is utilized as one of the major treatment programs.

During the year the staff to patient ratio has slightly improved with the addition of several new attendants to the afternoon shift. The social work program has also improved with the adding of personnel to the staff.

The medical staff with the assistance of social service continues to encourage community contacts with the patients so that treatment may be continued after the patient is discharged or sent home on convalescent leave.

The continuation of equipment modernization programs, constant improvement of patient residential areas, and the establishment of a closer working relationship within the Unit, as well as with the local communities, is providing better patient care and treatment and the development and utilization of new and tested methods of psychiatric care within the Unit. Careful evaluation and analysis of existing programs, based on collected data, is providing factual information for the improvement of all Unit operations. A planned capital outlay program for next year will include the complete air conditioning of Arnall East which was built in 1939. New and modern lighting will also be installed.



*The new recreation center opened last year is much appreciated by the patients*



## UNIT 5

BUILDINGS: Allen (Const. 1939), Whittle (Const. 1901 - remodeled 1953)

NUMBER OF WARDS: 18

PATIENT CENSUS (June 30, 1970): 843

ADMISSIONS: 1373

DIRECTOR: Lorenzo del Portillo, M.D.

ADMINISTRATOR: Thomas A. Simmons

DIRECTOR OF NURSING: Mrs. Mildred H. Daniel, Registered Nurse

COUNTIES SERVED: (45) Fannin, Union, Towns, Rabun, Dawson, Hall, Elbert, Lumpkin, White, Habersham, Banks, Henry, Forsyth, Stephens, Franklin, Gwinnett, Barrow, Jackson, Madison, Hart, Rockdale, Walton, Newton, Oconee, Clarke, Oglethorpe, Wilkes, Glascock, Lincoln, Taliaferro, Greene, Butts, McDuffie, Jasper, Putnam, Hancock, Warren, Washington, Monroe, Jones, Baldwin, Wilkinson, Columbia, Twiggs, Morgan

Unit 5 continues to progress although turnover of professional personnel has been a problem during the past year. In spite of this, effective programs in activity milieu, behavior modification, resocialization, attitude techniques, drug addiction problems, and work with chronic patients have all progressed. Also effective have been home and family management classes, adult education for both male and female patients, and an orientation program for new admissions. Weekly rounds in the General Medical and Surgical Hospital have been continued so that patients from the Unit maintain contact with Unit personnel. Well-planned program activities have been conducted by the recreation therapy, occupational therapy, music therapy, and remotivation departments as well as by the volunteer workers from the garden clubs.

The Unit now has two nursing home wards, one in each building. A toilet-training program was initiated in the Whittle Building and a closer supervision of storage rooms, as well as the repair and dispersal of furniture, has resulted in dressing up the wards.

An interdisciplinary executive committee was organized to provide better communication, interdisciplinary cooperation, and more unified de-



cisions on policy and procedure.

Each patient in the Unit was completely re-evaluated for mental status and physical problems. A medication review and progress note on general treatment was initiated with the advent of the 1970 Mental Health Law. All court cases have been reviewed and disposition made according to the patient's mental condition.

Unit personnel have continued visiting various health departments, aftercare clinics, nursing homes, and other treatment facilities within the geographical area covered by the Unit. This has improved communication and resulted in better treatment techniques. A total of 436 patients were transferred to nursing homes during the past fiscal year. The Unit census last year was 1191 and this year was 843 giving a total decrease of 348 patients.

Physical changes in the Unit have been extensive. Fluorescent lights were installed in the Whittle Building, new recreation and occupational therapy areas were constructed, air conditioners were installed in both sick wards, commercial washers and dryers were installed for the patients' personal clothing, the Whittle Building was painted and necessary repairs were made to windows and doors. Dining areas in the Allen Building were renovated, and a lounge was set up in each building for women employees.

During the coming year an orientation program for chronic and senile patients will be initiated, the toilet-training program for chronic patients will be expanded, a preparation ward for vocational rehabilitation candidates will be set up, and hopefully, a ward for attendant job orientation which will function under the direction of a clinical instructor (registered nurse) will be organized.



*Mrs. Van Norte cuts the cake*



*Georgia Beauticians Annual Visit*



## UNIT 6

BUILDINGS: Cabiness (Const. 1901 - remodeled 1953), Carl Vinson Georgia War Veterans Home (Const. 1969)

NUMBER OF WARDS: 13

PATIENT CENSUS (June 30, 1970): 467

ADMISSIONS: 84

DIRECTOR: Carl L. Smith, M.D.

ADMINISTRATOR: Vacant

DIRECTOR OF NURSING: Mrs. Edna Ross, Registered Nurse

COUNTIES SERVED: The State of Georgia

The new Carl Vinson Georgia War Veterans Home has given the institution treatment space for 150 additional veterans including a 10-bed ward for females. Treatment programs include all standard therapies as well as effective in-service treatment programs. Some physical ward changes were made to better accommodate the type of patients assigned to the wards.

An increased number of personnel and the above mentioned changes in the physical facilities have materially contributed to an improved treatment program. The assignment of an additional recreation therapist and a full-time attendant to work with him has resulted in a much better program for the aged residents.

In the Cabiness Building some additional equipment, renovation of physical facilities, and reassignment of ward functions has resulted in a more effective utilization of personnel as well as an improved treatment program. The medicine rooms were removed from the wards and each patient in the Cabiness Building now has a private room. Monthly in-service programs have been effective in raising the efficiency of nursing personnel thereby resulting in better patient care.

The new building is a modern, three-story air conditioned facility incorporating the latest techniques in utilizing the patient's environment as a therapeutic tool.



## UNIT 7

## MAXIMUM SECURITY

BUILDINGS: Binion (Const. 1946)

NUMBER OF WARDS: 4

PATIENT CENSUS (June 30, 1970): 266

ADMISSIONS: 309

DIRECTOR: E. L. Stincer, M.D.

ADMINISTRATOR: Calhoun Berry

DIRECTOR OF NURSING: Vacant

COUNTIES SERVED: State of Georgia

The Unit has responsibility for the psychiatric treatment of court cases, male inmates of the state penitentiary system and hospital patients who require treatment in a maximum security setting. Admissions during the year totaled 309; 288 patients were discharged as improved or restored.

The treatment program now includes chemotherapy, individual psychotherapy, group psychotherapy, milieu therapy, recreation therapy, work therapy, and music therapy. The completion of a new laundry has provided additional opportunity for patients in job training and the work therapy program has expanded as a result. The addition of another physician to the staff has materially increased the effectiveness of the treatment program.

A new roof on the building has made possible better security measures. The ward environment has been improved with the addition of upholstered furniture in the recreation rooms instead of the wooden benches formerly used.

The Unit director is required to do considerable traveling in testifying in court cases as well as in other matters affecting the forensic psychiatry program. A total of 20 visits were made last year in carrying out this responsibility.



## UNIT 8

BUILDINGS: Children's Rehabilitation Center (Const. 1964), Adolescent Wards 7 and 8, Boland Building (Const. 1969)

NUMBER OF WARDS: 4

PATIENT CENSUS (June 30, 1970): 105

ADMISSIONS: 88

DIRECTOR: Juan Portuondo, M.D.

ADMINISTRATOR: Jerry Bush

DIRECTOR OF NURSING: Mrs. Mary Ann Bell, Registered Nurse

COUNTIES SERVED: The State of Georgia

The Unit provides psychiatric treatment and care for 122 mentally disturbed children and adolescents. It includes the Children's Building with a capacity of 56 patients and two adolescent wards in the Boland Building with a capacity of 40 beds on each. Adolescent Ward 7 is occupied by males and Adolescent Ward 8 by females.

The Unit provides a complete treatment program, individual and group psychotherapy, child psychiatry, psychology and social work services, chaplaincy services, special education classes (provided by the Special Education Department, State Department of Education), music, recreation and occupational therapy, a behavior modification token system on the adolescent wards, a merit and demerit system in the Children's Building, and ward government on the Adolescent Wards. Special programs include growth and development and speech therapy sessions in cooperation with the University of Georgia Speech and Hearing Clinic.

During the year the policy was established that children and adolescents with an IQ above 70 would be admitted to the Unit.

Several innovations have added to the efficiency of the treatment program including the establishment of a Kardex nursing care plan, with pictures, throughout the Unit, the completion of a course in cardio-pulmonary resuscitation procedure by all nursing personnel, the selection and certification of a team of attendants for intravenous medications and nasogastric tube feeding, the modification of the adolescent wards to provide quiet rooms with seclusion doors. Quiet rooms were also constructed in the



Children's Building. A background music and intercom system was installed in the Adolescent Wards and the Children's Building.

Some of the Unit's problems include the lack of an adequate recreation area for adolescents, the shortage of teachers and classrooms in the School of Special Education. Twenty-five per cent of the boys and girls are unable to attend school because of insufficient classroom space and teachers.

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## UNIT 9

BUILDINGS: Boland (Const. 1951), Boone (Const. 1952)

NUMBER OF WARDS: 16

PATIENT CENSUS (June 30, 1970): 823

ADMISSIONS: 101

DIRECTOR: Evelio F. Diaz, M.D.

ADMINISTRATOR: Bobby Sheppard

DIRECTOR OF NURSING: Mrs. Virginia Smith, Registered Nurse

COUNTIES SERVED: The State of Georgia

The function of this Unit is the care, treatment and education of those persons whose primary impairment is mental retardation. The goal is to provide an interim experience to enable the residents to develop their fullest potential at physical, emotional, spiritual and social levels regardless of the degree of handicap. Approximately 298 staff members serve the 825 residents of the Unit.

Possibly the most significant development during the year was the organization of interdisciplinary teams working in the four areas of mild retardation, moderate retardation, severe retardation and profound retardation. Development of these teams around the interdisciplinary concepts has resulted in implementing training programs in three areas in the Unit. The wards are grouped so that residents are similar in terms of level of retardation and behavior. Each team examines the needs of the residents on the team's three wards and designs a program that makes best use of staff in the treatment program.

The team working with mildly retarded residents has developed an effective training program for adolescents. Token economy systems provide the ward structure for two of the three wards. The Special Education Program and vocational rehabilitation facilities are utilized to provide off-ward training for the residents. All other disciplines provide services for residents with special needs as well as those not involved in school or work training. The result of this approach is seen in an increased number of furloughs and an increased number of residents transferred to the Yarbrough Building for vocational training.

The teams for the mildly retarded, severely retarded and profoundly



retarded are in the process of developing their programs to include both structured ward programs and off-ward activities as well as providing training in self-help activities which will enable the residents to better cope with an institutional life.

#### GENERAL PROGRAM ACTIVITIES

Medical services are offered to the residents by six physicians who provide for the total health care of the residents including pediatric and psychiatric services. Also available are the services of the Department of Physical Medicine.

The Nursing Service profited by the addition of new ward programs and the expansion of the Housekeeping Department, thereby allowing the Nursing Department to participate more actively in direct care of the residents.

The psychologists implemented several behavior modification programs during the year. The two token economy wards have been maintained and the level of functioning has risen considerably due to refinements in the programs. The training program on Boone 8 has been extended to include a nursery school designed to prepare the children for entrance into the Special Education Program. Psychologists also provided psychological evaluations on both residents and out-patients and served in several leadership capacities.

The music therapy staff has conducted two training programs in toilet-training and self-feeding with severely retarded residents. The staff has also continued the Unit choir of 40 mildly retarded residents and has begun pre-school training for selected residents of Boland 3.

Recreational activities are arranged to suit the weather, available resources and needs of the residents and include both large and small activities. Several programs are carried out in conjunction with other disciplines.

Remotivation personnel have worked with 200 residents during the year in small group sessions which utilize the five basic steps of remotivation therapy and practice.

Social service has had major responsibility for co-ordinating pre-admission evaluation services, expanding and upgrading the collection of background and social history information on all new admissions and in providing counseling services for individual residents and their families.

Vocational rehabilitation has increased the number of residents admitted to the Yarbrough Center during the past year and has also developed



a more comprehensive vocational training program for the retarded.

College students hired as summer workers during the summers of 1969 and 1970 have brought youthful enthusiasm to the Unit and provided much needed assistance. They have worked effectively in the toilet-training and feeding programs established on Boone 5 and in an additional feeding program on Boone 3. Students from Mercer University in Macon have driven the 60 miles each week to work with retarded children and students from Georgia College at Milledgeville have also been active in the volunteer programs.

An increased number of worship services, clinical pastoral services, clinical pastoral education sessions and conferences on the aspects of religious interpretation have been conducted in Unit 9 during the year by chaplaincy service.

In-service training programs have been considerably expanded including six programs in general orientation in retardation, a retardation workshop, psychiatric aide training program, a continuing education program for nursing personnel, special training activities for the Housekeeping Department, and classes in physical therapy training participated in by several members of the nursing service.

Several staff members of the Unit were honored during the year. One member served as president of the Georgia Association for Retarded Children, another served as president of the Baldwin County Area Association for Retarded Children, and Mrs. Alma Digby, Charge Attendant, was recognized by the Georgia Association for Retarded Children with an award as "Outstanding Residential Service Worker for Central State Hospital."



*CSH athletes won four medals and eight ribbons at Chicago Olympics*



## UNIT 10

BUILDINGS: Yarbrough (Const. 1962), Various Work Centers around the hospital

NUMBER OF WARDS: 8

PATIENT CENSUS (June 30, 1970): 283

ADMISSIONS: No direct admissions

DIRECTOR: Salvador Mendez, M.D.

ADMINISTRATOR: Levi Swinger

DIRECTOR OF NURSING: Mrs. Janet Smith, Registered Nurse

DIRECTOR OF VOCATIONAL REHABILITATION SERVICES: W. C. Petty, A.B.

COUNTIES SERVED: The State of Georgia

This Unit is operated jointly by Central State Hospital staff who provide the psychiatric treatment services, and the staff of the Office of Rehabilitation Services who supervise a treatment milieu in which the emotionally disturbed patient can acquire sound work habits and vocational skills in preparation for employment in his home community.

The Unit contains eight psychiatric treatment wards, a specialized treatment program for patients with multiple handicaps such as sight, speech and hearing defects, the testing laboratories for Neurology and Electroencephalography, the research laboratories in Medical Genetics and the hospital's closed-circuit television studios and transmission equipment. In addition, there is a Work Evaluation Training Center, a Vocational-Technical School, and an Adult Basic Education Training Program in cooperation with the Baldwin County Board of Education.

Patients enter the Unit from referral by the vocational rehabilitation counselor on the ward and come from all over the hospital. They suffer from a variety of psychiatric and work-related problems. Many of them have long histories of poor work adjustment, inadequate vocational and educational skills and a number have never worked. There is also the patient who cannot return to his previous employment because of his handicap and must seek job retraining. The counselor works closely with the psychiatric team from referral until the patient leaves the hospital, thus he is better able to understand the patient's problem and to help him arrive



at a good vocational adjustment. Last year, 2446 patients received vocational rehabilitation services.

The counselor uses the evaluation unit to assess the patient's adjustment to work and his vocational aptitudes and skills. Work samples, work performance tests, psychometric tests, including specific and general aptitude tests, are used in measuring the patient's specific abilities, work aptitudes, work habits, and behavior and his tolerances to work conditions. A total of 539 clients received vocational evaluation.

Many patients receiving an evaluation are found to have serious problems in adjusting to work. The counselor has a wide range of services available to him in helping the client overcome his problems. More than 325 clients receive services through the program of the Work Evaluation Training Center. This number represents many patients who could not even have been properly evaluated for vocational rehabilitation services due to their severely impaired condition. Through this program an improved level of adjustment and function was achieved and the client thus became eligible to receive the full range of vocational rehabilitation services. Some 50 clients have been placed in competitive employment outside the hospital directly from the Work Evaluation Training Center. Many more showed significant progress and were moved to the vocational training classes.

The work training program is made as realistic as possible, incorporating within real work settings many of the demands made upon employees of industry. Clients are working on contracts that have been made with private industry. A total supportive therapy approach is undertaken in the work training center to encourage the long term chronic patient enrolled in this program.

The work adjustment unit extends the range of work settings available for adjustment training to include almost any conceivable occupational area of interest to a VR client. Over 500 patients received services through the work adjustment program; which emphasizes behavioral development of work habits and interpersonal skills with the ultimate goal being the resocialization or rehabilitation of the patient.

Two approaches are used in achieving this unit's objectives. One is treatment through work therapy. The philosophy of work therapy suggests that in making a good vocational adjustment the patient will also solve many of his non-vocational problems. The second is using work adjustment as an evaluation technique permitting the early identification of a patient's assets and potential which can be developed through a vocational rehabilitation program. The emphasis of the program is on the dynamic element of the worker, on the patient's abilities as a productive person rather than concentrating on his disabilities. In this milieu the



patient is an active rather than a passive being. Work therapy differs from related programs such as occupational therapy in that the work setting is realistic.

Numerous specialized training programs in the adjustment area have been developed. One of the most popular and largest has been the Unit Home and Family Management classes which provide basic adjustment training for the chronic female patient. Through homemaking activities familiar to these women, the course provides a medium with which they can identify and provides instruction in practices in which they will be engaged upon release. It is also beneficial in helping them to learn skills and reduce anxiety which may be created by a feeling of inadequacy.

The classes are held in each psychiatric Unit, have been supplied with furniture and equipment that closely resembles that found in the homes of most patients, and the classroom has been turned into a little home. Instruction is geared to individual needs and abilities. Specific areas of instruction are home management, food and nutrition, home nursing, basic education, child care, personal and social adjustment, clothing and crafts. During the past year, 447 women participated in these classes.

Many of the clients worked with by vocational rehabilitation are found to be unable to locate employment upon release. To meet this need the adjustment services unit has recreated a class called "The Job Hunting Class" designed to teach the VR client how to go about applying for jobs in an appropriate way. Sixty-eight clients were served in this program.

Adjustment services are provided on the multiple handicap ward of the Yarbrough Rehabilitation Center for clients with sensory losses. Two classes are taught daily in sign language for the client with impaired hearing, and mobility training is provided three times a week through a cooperative agreement with the Georgia Academy for the Blind for the visually impaired client.

Educational handicaps are one of the most common to the population served by vocational rehabilitation. In order to teach many vocational skills, educational skills must be acquired in advance. The most logical method of approach is in the form of the program of education aimed at taking the individual at his present level and upgrading him to the greatest extent possible. This may be from the rudiments of basic reading and writing skills to enable a client to obtain a general educational development equivalency diploma required by many employers today. During this past fiscal year, the adult basic education program in cooperation with the Baldwin County Board of Education worked with 252 patients.

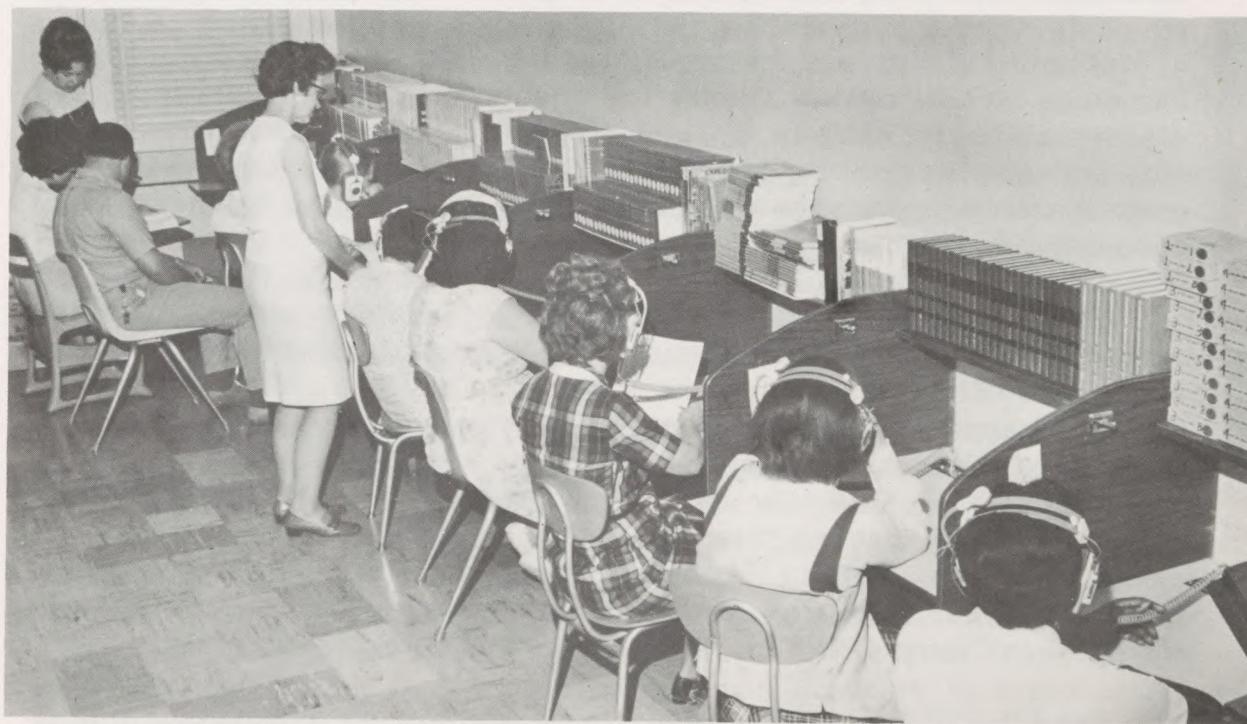
Once the VR client has made a more satisfactory adjustment to work and overcome basic academic deficiencies, a formal program of vocational



training may be undertaken. The vocational training program at the Yarbrough Rehabilitation Center provides training similar to the state's vocational-technical school program. The program is tailored to fit the needs of the individual patient but is designed to train students on a level equal to that of the vocational training schools in the community.

When a client is ready for release, he may continue his training in the public and private school systems in his home community without loss of credits earned at the Yarbrough Rehabilitation Center. These arrangements were made with the Georgia State Department of Education and with private institutions at the inception of the program. Over 900 clients received training through the program in the following areas: automotive service repair, barbering, cabinet making, business education, cosmetology, drafting, metal trades, nurse's aide and shoe repair.

The Office of Rehabilitation Services operates a program of community rehabilitation residences. This program has been an effective instrument in helping the discharged patients make a satisfactory adjustment to community living. A new residence was opened in Macon this year bringing the total to six. Residences are also operated in Augusta, Albany, Columbus, Savannah, and two in Atlanta. Approximately half of the patients completing a rehabilitation program at the Yarbrough Center are now passing through the rehabilitation residences when released from the hospital. A total of 370 clients, after receiving the follow-up services by the field counselor, made a satisfactory adjustment to employment.



*Adult Basic Education Learning Laboratory in Yarbrough Building*



## PSYCHOLOGY DIVISION

The Psychology Division has adopted an approach toward the evaluation and treatment of mental patients based on application of the results of scientific research to the problem of emotional disorders. There is a constant evaluation of the effectiveness of these techniques, which leads to old procedures being replaced by more effective techniques. This is also true of administrative activities, and much systematization of these functions has been achieved during the past year. The Psychology Division is not only doing more, but doing it better.

### RESEARCH, EDUCATION AND TRAINING

The Research, Education and Training Section coordinates activities in these three areas, making their work more efficient.

Psychologists at Central State Hospital are among the most productive in conducting and publishing scientific research. Members of the Division published in scientific journals or read at professional meetings eight research articles. Ten other research projects conducted at CSH are completed, and the results are in preparation for publication. Seven research studies now in progress are concerned with both treatment and evaluation, and have as their principal aim the improvement of services to the patients of CSH.

The Division cooperates with the Public Information Office in providing seminar programs for visiting high school and college students. The goal of this program is to dispell erroneous ideas about the hospital and emotional disorders. Psychologists are active in the in-service training programs of other disciplines and are frequently called upon to present lectures which illustrate the role of the clinical psychologist in the evaluation and treatment of patients. Psychologists spoke to a total of 3,822 individuals as part of the above programs.

### INTERNSHIP PROGRAM

The Psychology Division was approved for the eighth consecutive year of its internship training program in clinical psychology subsequent to the visit of an American Psychological Association Evaluation Committee.

In 1963 CSH became the fifth state hospital in the entire United States to have an accredited internship program in clinical psychology, and today it is one of only nine approved departments in the southeast.

The Division is very selective in accepting intern applicants, considering only those students who rank in the upper 10 percent of their



graduate classes. This year, two interns have received training in clinical psychology. The number is kept small to permit each intern to receive close personal supervision by Ph.D. psychologists. Interns are taught treatment and evaluation skills which center around an understanding and appreciation of research findings. Interns are encouraged to do research while at the hospital.

#### TECHNICIAN PROGRAM

During the past decade, the Division has been involved in a highly innovative program utilizing sub-doctoral personnel. The Psychology Division at Central State Hospital was one of the first to utilize Bachelor and Master-level assistants, or psychology technicians, for psychological testing, interviewing patients, and writing psychological evaluations. They have begun to play large roles in treatment programs. Their work is closely supervised by doctoral-level psychologists.

The technician program has resulted in a great increase in psychological services and a financial savings to the State of Georgia. It allows psychology majors graduating from college to obtain experience prior to entering graduate school.

#### EVALUATION

Each psychological evaluation contains a summary of the patient's history and of the stresses and events which led to the hospitalization. Each patient is given a complete battery of psychological tests which measure the individual's abilities, limitations, and aid in the determination of a specific diagnosis. Finally, a diagnosis and recommendations are offered. Each evaluation represents the product of six to eight hours of work by staff members. More than 2300 evaluations were produced during fiscal 1970.

Attempts are constantly made to improve the validity and usefulness of the evaluations. Research in evaluation procedures is being conducted and an improved structured interview has been developed by the staff.

#### TREATMENT

As a result of constant scientific evaluation of procedures, the Division has primarily committed itself to a treatment technique called behavior modification. This technique is based upon discoveries from psychological laboratories which indicate that much of what a person does is the result of the types of behavior which his environment has rewarded in the past. It therefore becomes the task of the therapist to so order the environment in which the patient is placed at this hospital that normal, appropriate behaviors are rewarded and abnormal, inappropriate behaviors are discouraged. This is what is done on a behavior modification or token economy



ward. Patients are allowed to earn tokens, roughly equivalent to money in the outside world, for behaving in a socially desirable way. They are fined tokens for behaving in a "mentally ill" manner. Patients are allowed to spend tokens in a ward store, and can pay for special privileges such as going to dances and movies with tokens. Patients on token economy wards have a greater opportunity for living a life similar to that of a normal person than do patients on traditionally operated wards. This approach greatly increases the furlough rate of patients from the hospital, and cuts the return rate to the hospital by a factor of about 75 percent.

The behavior modification programs have contributed to the improvement of many patients at the hospital and have resulted in substantial financial savings for the taxpayers of Georgia. Six behavior modification wards are currently in operation. At any given time, approximately 500 patients are being treated.

Below are presented some examples of data obtained from behavior modification programs to illustrate the effectiveness of this technique, and show the benefit which patients have derived from its application.

#### Treatment of the Mentally Retarded

During the past year, the supervisor of psychological services in the Mental Retardation Unit has served as program coordinator; therefore, psychologists have been involved in the treatment of all of the patients of that Unit. The Division has also operated three behavior modification wards in the Unit.

Boone 8 is a ward for severely and profoundly retarded children. The last annual report indicated a great increase in the patients' ability to care for themselves which was brought about by a behavior modification program. These gains have been maintained.

Boland 6 is a ward for mildly retarded young male patients. Prior to the institution of a behavior modification program, acting out, anti-social behaviors were a major problem. Institution of a token economy enabled the disruptive behaviors to be controlled and allowed the patients to participate in educational and social advantages previously closed to them.

Boone 1 has had a token economy in operation for a year and a half. The behavior of these young, mildly retarded females continues to progress in a socially desirable direction.

Cursing is an inappropriate behavior in most wards of the hospital. On Boone 1, the token economy is structured in such a way as to eliminate cursing, a behavior which could get the patient into trouble outside the hospital upon release. Figure 2 shows the decline in number of fines for



cursing for one patient during a five week period during which this problem was treated.

Stealing is another problem with which ward personnel are frequently confronted. Sometimes patients stole tokens which could disrupt the behavior modification program. One way psychologists stop an individual from stealing tokens is to put him on what are called "special tokens," distinguished in one manner or another, usually by color, from those used by other patients on the ward. A person placed on special tokens can spend only these tokens. The data presented on the left of the dotted line in Figure 2 indicate the additional number of tokens that two patients spent over and above the number they earned. To the right of the dotted line we see that this condition has been rectified in that the patients are required to live within their income. They will find this ability to spend no more than they earn of great adaptive value when they leave the hospital.

Psychologists also directed a special project on a ward for severely and profoundly retarded adult females. Prior to the beginning of this program, most of these patients ate with their hands, sometimes grabbing food from the plates of other patients. These behaviors led to a great deal of waste of food and some of the residents not receiving a proper diet. Also, ward personnel were required to devote a great deal of their time to cleaning up after meals. The behavior modification program involved, among other things, a patient being temporarily delayed from receiving more food following an instance of inappropriate eating behavior. This progress has been maintained by staff members.

An operant conditioning laboratory in Unit 9 is used in treating patients and in researching new treatment techniques.

#### Treatment of Children and Adolescents

Some form of behavior modification is in operation on all wards in Unit 8. In the Children's Building, the patients (under 11 years of age) are too young to keep up with the tokens used on other behavior modification wards. On these wards, a merit system has replaced the token economy. Patients are verbally given "good points" for acceptable, desirable behaviors, and are given "bad points" for inappropriate, deviant behaviors. A patient who maintains a specified number of "good points" after the "bad points" are subtracted is placed on the merit list, which entitles the patient to many privileges, such as swimming, additional candy, and special attention from staff members. Figure 4 shows how a patient in the Children's Building learned, over a period of time, to be consistently on the merit list. This was one improvement in the appropriateness and desirability of her behavior.

A behavior modification program has been in operation on the Adolescent Wards since November 1968. A recent report indicated that the per-



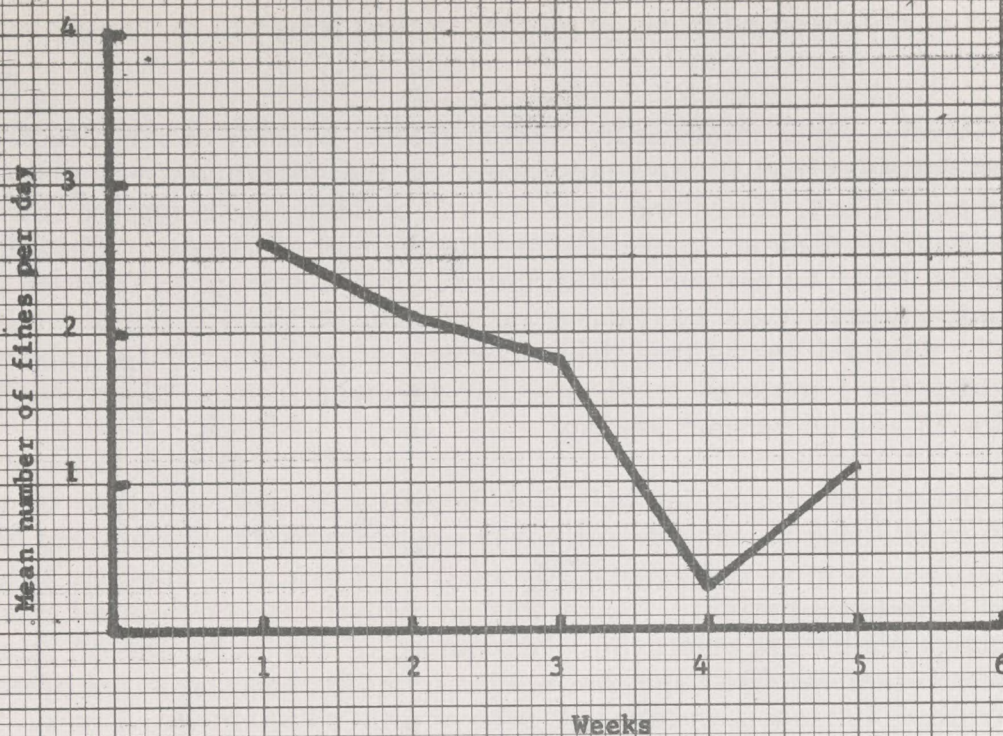


Figure 1. Results of the Behavioristic treatment of cursing.

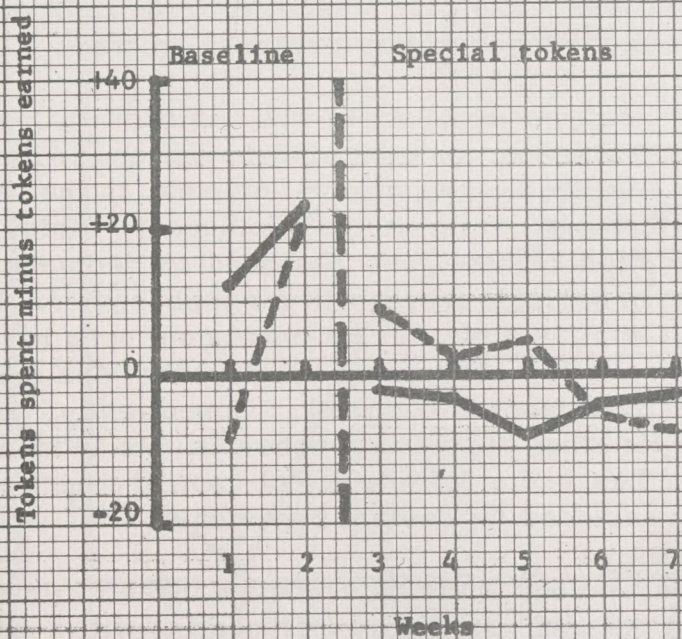


Figure 2. The effect of special tokens on the illegal acquisition and spending of tokens.



centage of patients successfully rehabilitated has more than doubled as a result of the token economy and other work supervised by psychology personnel.

Psychology is continually making efforts to improve the effectiveness of its behavior modification programs. On the Adolescent Wards, patients were paid tokens for taking showers and brushing their teeth. The tokens were paid to them at "pay-off time" at the end of the day. This resulted in about 30 or 40 percent participation. In an attempt to improve on this record, patients were paid immediately after performing the desirable actions. Figure 5 shows that the percentage of patients taking a shower and brushing their teeth at least once per day jumped from 30 percent to between 70 and 80 percent per day.

Individual or special behavior modification programs are frequently used in addition to the overall token economy on the Adolescent Wards. These special programs are usually instituted to modify specific behaviors of an individual patient. Figure 6 is an illustration of the kind of special programs which are employed. Inspection of the base line of this graph indicates that the fines and the regular token economy were not effectively controlling the inappropriate behavior of either Patient No. 1 or 2. Therefore, both were placed on a special program in which walk out privileges were made contingent on the appropriateness of their behavior. If the patient received fines of 50 tokens or more per day for three consecutive days, his walk out privileges were removed. In order to obtain his walk out privileges again, the patient had to go for three consecutive days with fines of 15 tokens per day or less. The data presented to the right of the dotted line illustrates the effectiveness of this treatment program.

Figure 7 illustrates the treatment of a patient who has been in Central State Hospital since 1966. Due to her constant misbehavior and irritating interpersonal relationships with therapists, the patient was, in the past, shuffled from therapist to therapist while on the Adolescent Wards. An individual behavior modification program was designed to decrease the number of times she was put in seclusion per month for misbehavior. This consisted first of making all available reinforcers contingent upon her not being placed in seclusion for the day. The number of days that she stayed out of seclusion was gradually extended to a week. Concurrently, positive reinforcers were given for other appropriate behavior. As evidenced by this figure, this program has had a definite effect upon the number of times this patient has been secluded for deviant behavior.

The Supervisor of the Psychology Division's program in the Children's and Adolescents Unit has in the past year been experimenting with a modification of a treatment technique known as psychotherapy by reciprocal inhibition. His technique involves the pairing of anxiety with the patient's imagining the performance of undesirable behaviors and the pairing of relaxation with the patient's imagery of his performing acceptable, socially



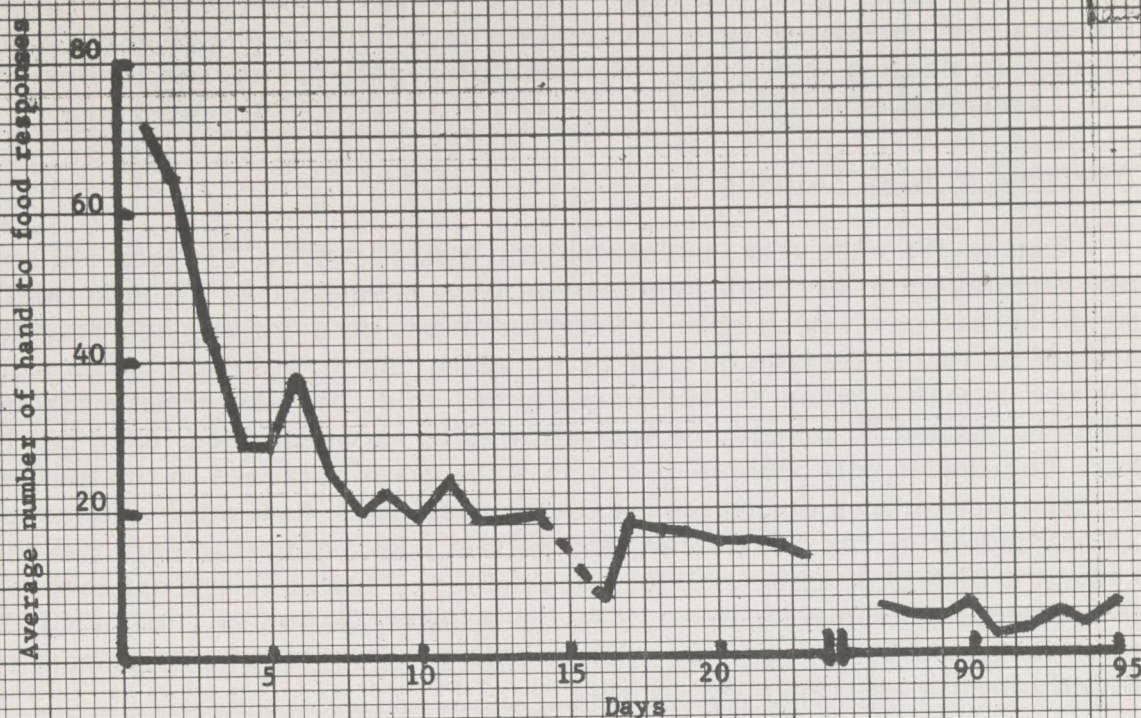


Figure 3. Decrease in inappropriate eating as a result of a Behavior Modification Program.

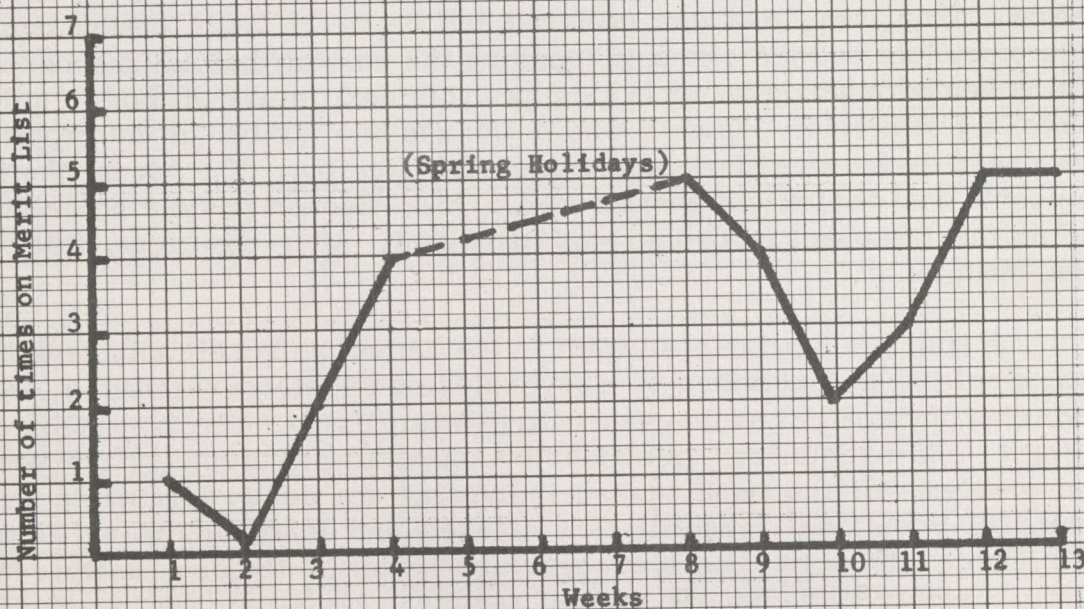


Figure 4. Number of times on the Merit List per week for a girl in the Children's Building.



desirable actions. All six homosexual males who have gone through this treatment program have abstained from engaging in homosexual activity for extended periods of time. Also, this technique has been quite successful in dealing with a girl who exhibited self-destructive behavior, i.e., slashing her wrists.

#### Treatment of Adult Patients

During the past year, psychologists worked with a 21-year-old boy who manifested a very high frequency of hand mannerisms. Prior to treatment, he had never been able to keep his hands still for any appreciable amount of time. He was treated by requiring him to hold his hands still for one minute. When he successfully did this, he was given a token. When he earned 20 tokens, he was allowed to exchange them for a candy bar. The reader will observe in Figure 8 the great decrease in the number of hand mannerisms during the treatment sessions. Beginning at session 25, indicated by the dotted line, the patient was required to earn two tokens at a time by holding still for two minutes. This is an attempt to teach the patient to behave appropriately for a longer period of time, so that when he leaves the hospital he will be able to adjust to an environment in which rewards are rarely immediate.

This patient's rate of hand mannerisms was particularly high at mealtime. This would have been predicted from a learning theory framework. A treatment procedure was therefore employed at this time. The therapist sat next to the patient during his meals, and whenever he engaged in manneristic behavior, his hand was held up from the plate for a ten-second period. Then, the hand was released and he could begin eating again. This procedure had the effect of teaching the patient that any manneristic eating behavior would result in a delay in his next intake of food, a mildly punishing situation. Figure 9 shows the average number of inappropriate responses during mealtime before and after training. The bar on the left indicates that the patient averaged 95.5 hand mannerisms during mealtime before the treatment procedure was instituted. After treatment, this rate was down to 10.5

The multiple handicapped ward in the Yarbrough Vocational Rehabilitation Building is supervised by a psychologist who works with blind, deaf, and other physically handicapped individuals. Using individual and group therapy, and specialized treatment by consulting therapists, the needs and problems of the handicapped individual are dealt with while he is attending vocational rehabilitation classes and learning the skills that will enable him to become a successful member of the community. Presently, eighty patients are treated weekly. Assisting the psychology staff are sign language interpreters who help conduct group therapy with the deaf, speech therapists, audiologists, and remotivation therapists who work with the blind. The blind patients have the opportunity to listen to a talking book machine and are taught how to walk with a cane. These



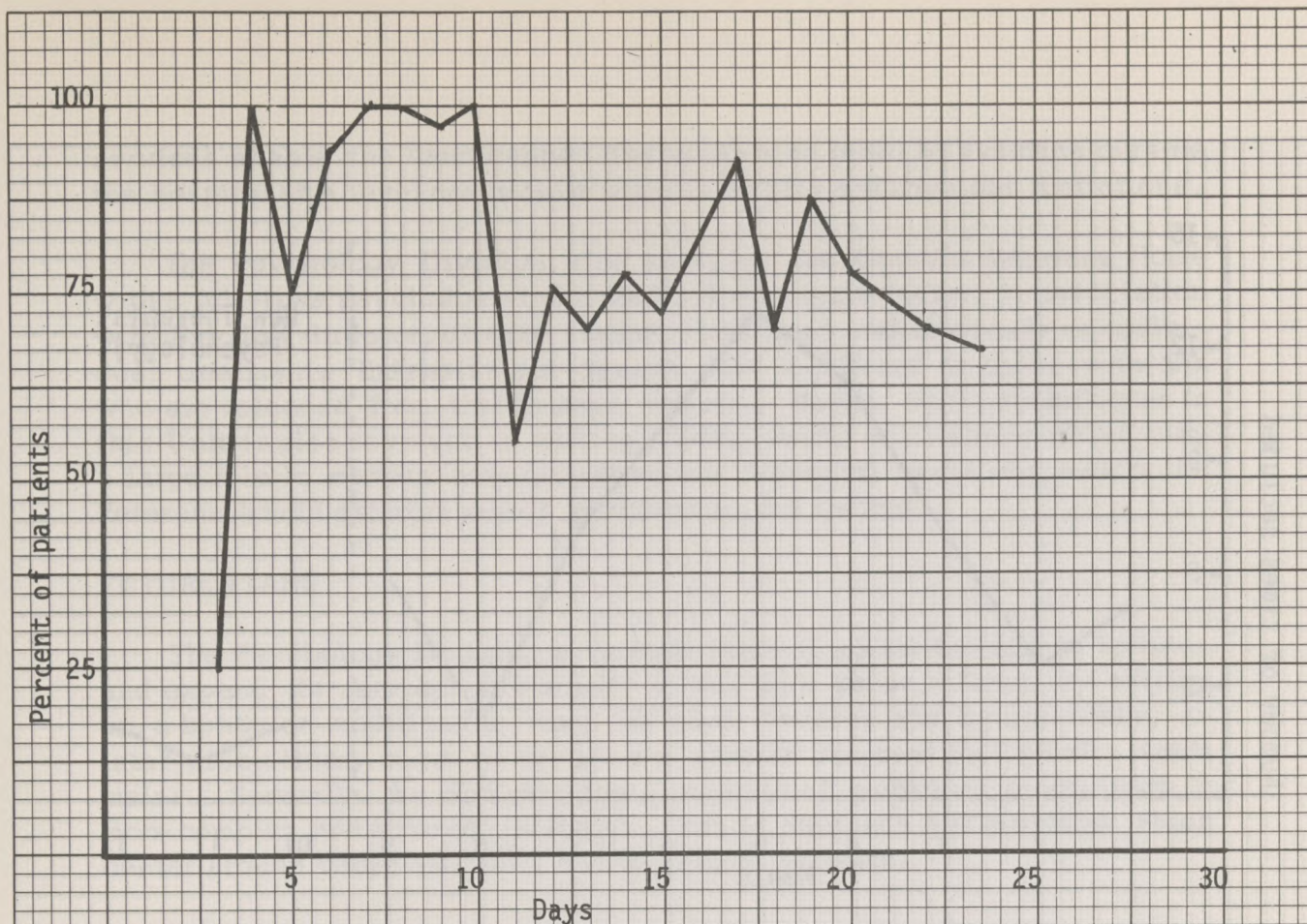


Figure 5. Increase in percent of patients taking a shower and brushing their teeth at least once per day

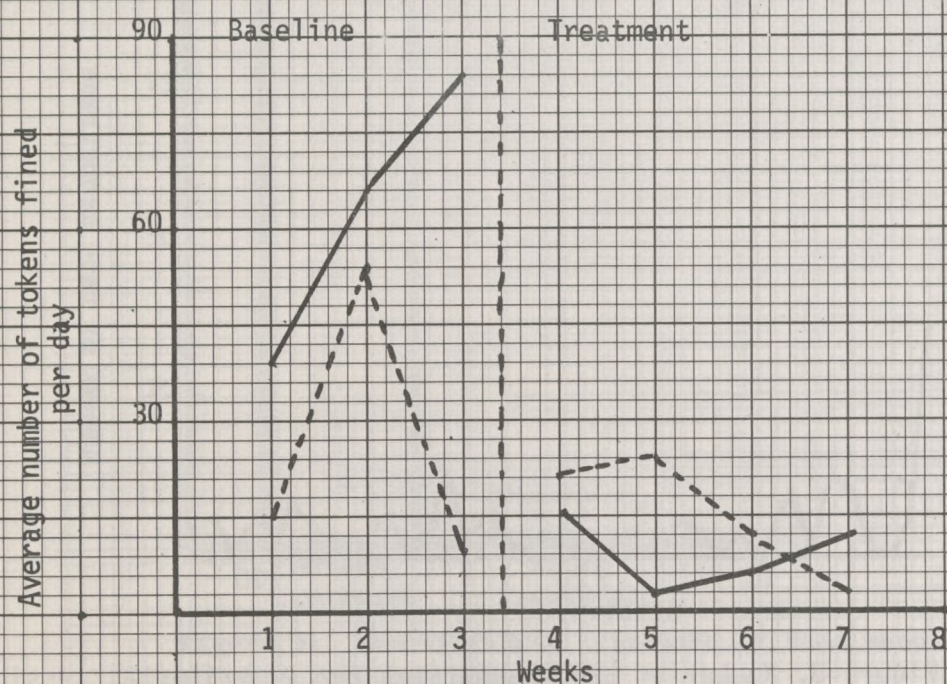


Figure 6. Reduction in number of fines as a result of an Individual Behavior Modification Program



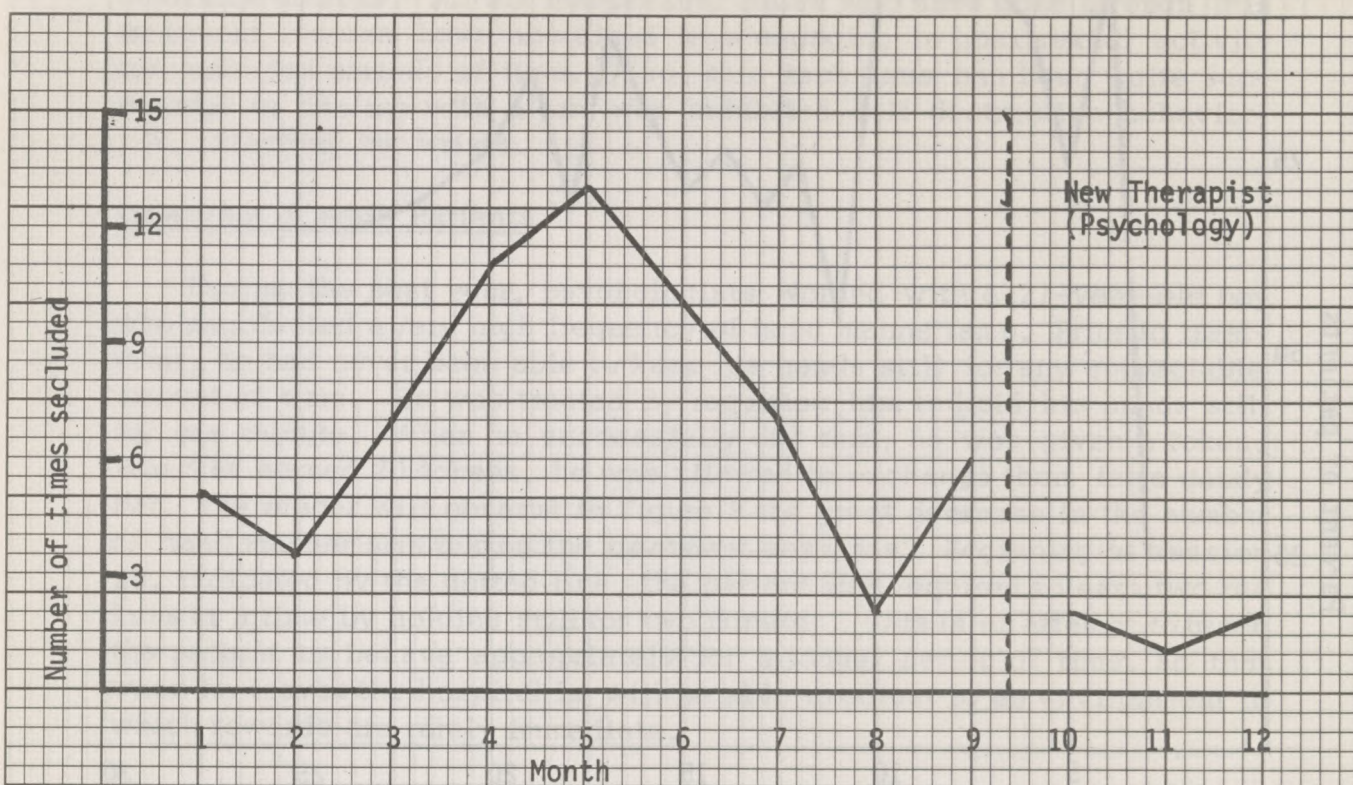


Figure 7. Behavioristic Treatment of seriously disruptive behavior

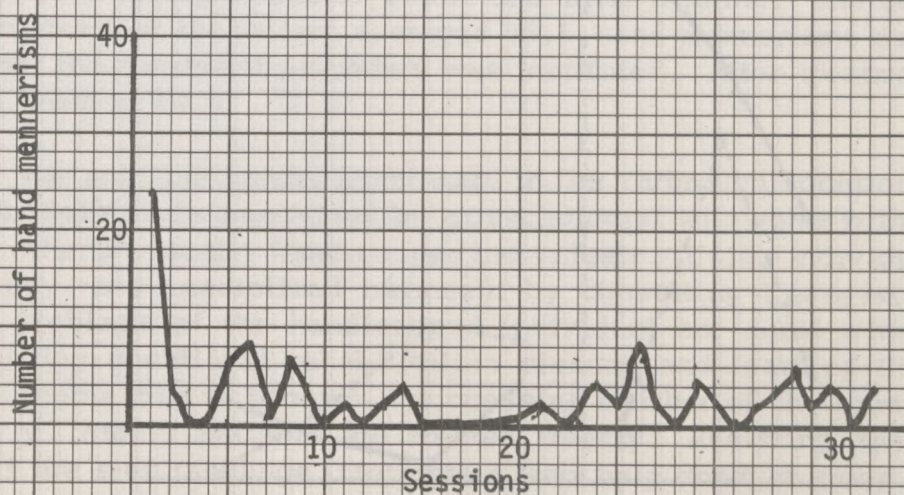


Figure 8. Number of hand mannerisms per experimental session

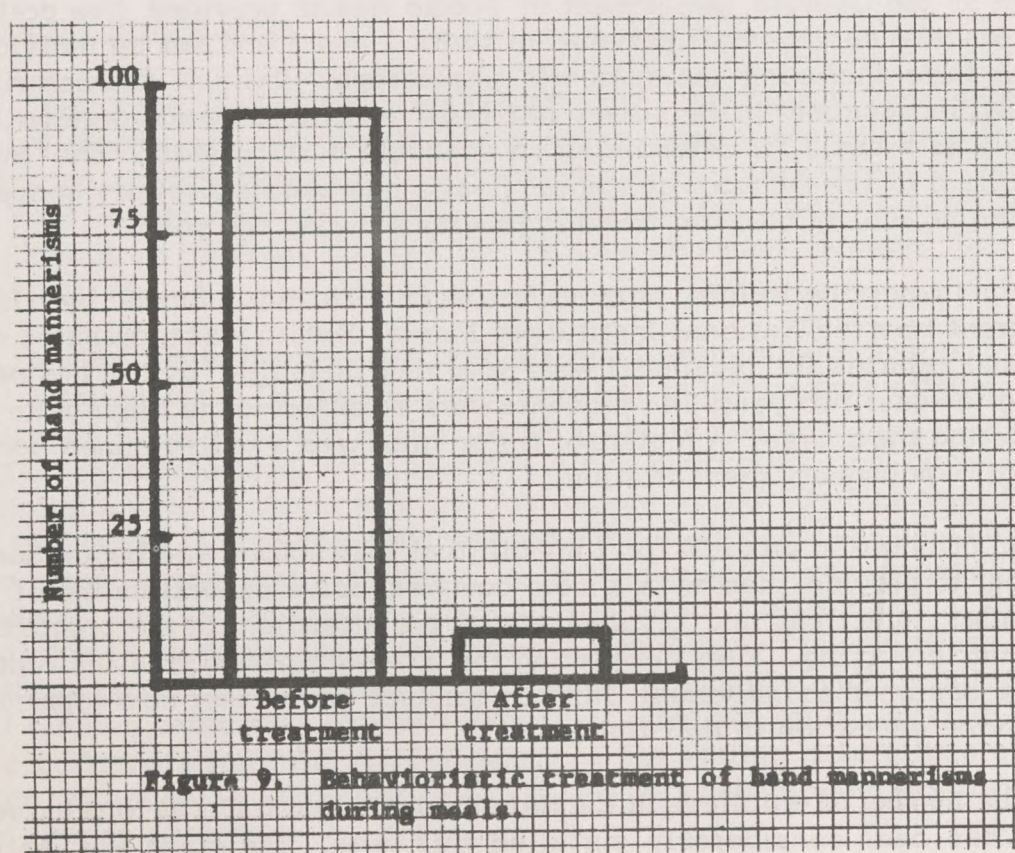


services enable the handicapped individuals to learn to function outside the hospital at a level compatible with his ability and physical limitations.

The Psychology Division also provides the Georgia Veterans Home with a full-time psychologist and staff. This psychologist, in association with the Unit director, directs a twenty-bed ward with emphasis on individual treatment. Extensive out-patient care is offered to those veterans who are released from the Georgia Veterans Home. The psychologist in this Unit is also involved in writing psychological evaluations which play a large role in certain administrative and financial decisions which the Veterans Administration makes in regard to the patient.

#### FUTURE PLANS

The Psychology Division at Central State Hospital intends to broaden and expand its services to patients in two main areas. First, by setting up a behavior modification ward for adult females and by organizing an inter-disciplinary team to institute a similar program for chronic, adult males. Secondly, by applying the principles of empirical psychology to more complex and abstract problems, such as neuroses and problems which center around basic attitudes and beliefs of patients.





## NURSING SERVICE

The nursing staff at the end of the fiscal year included 117 registered nurses, 84 licensed practical nurses, 1824 attendants and 7 medical aides. A special concern was recruitment in the attendant classification. It is becoming increasingly difficult to secure desirable and qualified applicants.

The improvement of patient environment has enabled Nursing Service to utilize personnel more efficiently and made possible better patient care in more attractive surroundings. A primary project has been the coordination of nursing throughout the ten psychiatric Units. Better communication has been maintained through regular bi-monthly meetings and staff development training programs for professional nurses have been effective in upgrading personnel.

The Department of Public Health nursing staff taught seminars on nursing assessment, patient care plans, and evaluation. Thirty-six registered nurses attended the three seminars and 49 of the nursing staff attended management courses.

A summer project initiated by the consultant in the Division of Mental Health of the Georgia Department of Public Health provided five college students who surveyed all patients in Units 2 and 5 and set up individual Kardex files including the patient's photograph. Patient characteristic information obtained in the survey has been computerized and data will be utilized as a basis for determining an adequate nursing staff. The Nurse Consultant of the Division of Mental Health has been especially cooperative and helpful in hospital training programs during the year.

The in-service training program for psychiatric aides funded by a four-year grant from the National Institute of Mental Health was terminated this year and salaries for personnel were provided thereafter by the hospital. During the past two years 145 students were admitted to the class with 102 completing the course. A feature of the program was a well-planned course on cardio-pulmonary resuscitation.

An orientation program for Unit clinical instructors was begun during the year to provide them with a more comprehensive understanding of the principles, practices and involvement of the attendant in the program of psychiatric nursing. After completing the 12-week period, the instructors will be assigned to individual Units to conduct any further development of in-service education in that Unit.

The number of enrollees in the Neighborhood Youth Corps Nursing Aide Class has been considerably curtailed this year. The class met for two



hours each Friday for four months for a total of 32 hours. The content included minimal essentials and basic techniques. Fifteen students were enrolled.

In-service education in the Units has continued with the Unit Directors of Nursing and their committees planning programs for a six month period. Each Unit gears the topics towards its particular needs. The programs contribute to improving patient care and serve as a means for inter-unit communication.

The staff development program for registered nurses is a three-year federal project terminating in June 1972. Its purpose is to initiate the reduction of the gap between previous education of registered nurses and the newer theories and practices which provide more therapeutic nursing care of psychiatric patients. The program includes a series of ten workshops of two, one-week sessions led by consultants in specific content areas. Consultants in various fields pertinent to nursing have been brought in from different parts of the country, thereby broadening the experience and knowledge of the nurses. The program has also afforded funds for much needed equipment and educational media not otherwise available.

Staff meetings are held periodically to improve communication and as a medium for exchange of ideas in current and future planning.

#### NURSING EDUCATION

During the past fiscal year 165 students successfully completed the twelve-week course in psychiatric nursing. The affiliates came from the following schools of nursing: Georgia Baptist Hospital School of Nursing, 93; Hall County Hospital School of Nursing, 10; the Macon General Hospital School of Nursing, 28; and the Atlanta Piedmont Hospital School of Nursing, 34.

A more limited experience was provided for nursing students from the junior colleges and Grady Memorial Hospital which does not affiliate here. These included one-day visits by 44 students and two instructors from DeKalb Junior College, 44 students and two instructors from Floyd County Hospital and 80 students and four instructors from Grady Memorial Hospital in Atlanta. A two-day visit was provided 16 students and three instructors from Dalton Junior College, a three-day visit was arranged for 19 students and two instructors from Albany Junior College and a five-day visit for 19 students and one instructor from Albany Junior College. Four of these groups were housed in the Nurses' Residence and ate in the Central Kitchen cafeteria. Program schedules were set up by Nursing Education in cooperation with staff members of the various disciplines and various patient areas concerned. Faculty members participated as consultants and liaison persons.



Faculty representatives of the various schools visited the schools during the year for conferences and Nursing Education personnel and representatives from the various disciplines who were involved in the student program attended one faculty meeting each quarter and also participated in the annual faculty meeting with representatives from the affiliating schools.

All Central State Hospital faculty members belong to and are active in the 14th District Georgia State Nurses Association and one is a member of the National League for Nursing Conference Group on Psychiatric Nursing. The faculty members also participated in 32 workshops, seminars, and conferences and prepared a number of opinion papers on fact finding, nursing care plans, and task force reports.

The Nursing Education library was consolidated with that of the in-service department in March and moved to the Myra S. Bonner nursing library located in the Brantley Building and placed under the direction of a full-time qualified librarian.

Faculty members have also reviewed handbook rules for students living in the Nurses' Residence and are working on a project to shorten the twelve-week affiliation course in psychiatric nursing which requires revision of the curriculum plan and course outline.





## SOCIAL WORK DIVISION

Release planning and the placement of patients in nursing homes throughout the state continued to be a high priority program in the Social Work Division. A total of 1360 patients were referred to the CSH Unit of the Baldwin County Department of Family and Children Services and 802 patients were placed by that department. Counting private placements utilizing patients' personal resources, nearly 1,000 patients were placed in nursing homes.

During this fiscal year an adult foster home placement program was initiated by the Social Work Division on a demonstration basis in Macon-Bibb County. Later in the year, the program was adopted by the Georgia Department of Public Health, Division of Mental Health and funded for expansion on a state wide basis.

A number of creative service programs developed this year. They include the recruitment and utilization of local high school volunteer workers who devote many hours of time serving the needs of patients in Unit 3. Unit 5 developed a program in which patients from other areas of the hospital, as well as from within the Unit, are used to provide concrete social work services to patients.

Services to patients include the writing of 13,745 letters to the relatives of patients, to community agencies and to other interested individuals. The staff held 20,518 interviews with in-patients, their families and their representatives and 3,240 interviews with families of patients on leave from the hospital. At least in part as a result of this activity, 2,558 patients were sent back to their home communities during the year. These included placements with relatives, independent living arrangements, transfers to a nursing home and transfers out of state.

At the conclusion of this fiscal year the staff consisted of the Director, an Assistant Director, eleven Social Worker II's, five Social Worker I's, twenty-seven Social Work Technicians, one Social Work Aide, and twelve secretaries, for a total of fifty-seven. This represents an increase of one staff member during the past fiscal year. In addition, the Division sponsored eleven staff members on educational leave in various stages of completing their master's degree in social work, supported by stipends from the hospital. The schools attended include Smith College, Tulane University, Florida State University and the University of Georgia. Finally, more than thirty undergraduate students from Mercer University and Georgia College were supervised in social work field placements at the hospital.



## CHAPLAINCY DIVISION

Fiscal year 1970 was a period of consolidation and maintenance on one hand, and change and instability on the other. On the whole it was a successful year, particularly as measured by services rendered. The staff displayed a commendable evidence of devotion to the work of ministering to the religious needs of patients.

A total of 23,923 pastoral visits were made to patients during the year, a significant increase over last year. In this function the clergy symbolized the presence of concern and care which has traditionally been a part of their heritage. More than 3,000 worship services provided the patients a socially acceptable opportunity to experience a structured and caring fellowship in an atmosphere of challenge and comfort. The philosophy and methodology of religious worship at Central State was spelled out in a paper published by the Journal of Hospital and Community Psychiatry. Also the chaplaincy staff conducted more than 6,500 pastoral counseling sessions for patients in group and individual therapy. There were almost 500 patients involved in these therapeutic relationships during the year.

In the area of clinical pastoral education, the division continued to provide various levels of training for seminarians and clergymen. Again this year men were attracted from many different areas of the United States. An orientation workshop for community clergymen involved several parish ministers from different parts of the state. An orientation program for seminary students involved six seminarians from the Columbia Theological Seminary in Decatur. Seven students participated in an initial quarter of clinical pastoral education representing schools of theology in Tennessee, Georgia, Illinois, and North Carolina. Twelve clergymen were participants in our year-long internship in clinical pastoral education. These men represented a variety of denominations. Finally, there were four clergymen involved in the clinical chaplain residency. Two of these were in advanced pastoral care, two were in training to become chaplain supervisors. This was the first major move into the field of training men to be chaplain supervisors.

Several significant research projects are in progress. A project designed to facilitate religious diagnosis was continued with refinements and improvements. A project to assess the nature and effect of programs in clinical pastoral education was begun as a part of graduate study being carried on at Emory University.

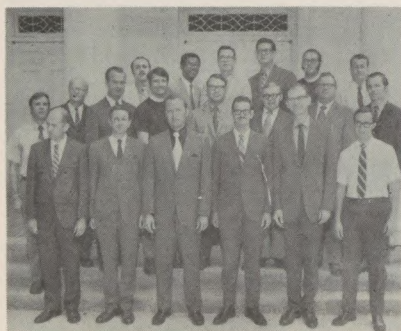
The means by which these services were maintained and improved may be described in various ways. First, there was a continuation of the policy and provision for advanced study in related fields for persons in the department. During this year, two people were involved at the graduate



level in the fields of Pastoral Theology and Sociology of Religion. This provided the necessary training and tools for an increase in both services and research in the division. Second, the staff was involved in a retreat designed to promote communication within the division and give attention to long-range goals for chaplaincy service as a part of the total treatment program within the hospital. This proved to be effective in increasing the level of communication and competence within the division. Finally, a major resource within the hospital, that of the data processing facility, has been utilized to process information concerning the patients who are involved in therapy with the chaplaincy staff. This provides not only a means of assessing their work but of gathering information for long-term research projects in the area of religion and mental health.

Thus far attention has been given to the aspect of consolidation and maintenance. For the areas of instability and change two aspects need to be pointed out. First, during the year this division felt the increased competition from other institutions and hospitals both within the state and outside the state. Three major staff members took positions elsewhere during this year. During the first part of the year it was comparatively easy to find competent personnel to replace these individuals; however, toward the end of the year the market for competent clinically trained clergymen and chaplain supervisors diminished considerably, and the end of the fiscal year found the division facing a severe test in remaining competitive in securing the kind of chaplaincy personnel needed. A proposed upgrading of the chaplaincy series should provide some help.

A second aspect of this change is the addition of another perspective within the profession itself. This is the perspective of sociology and religion. For some time it has been felt that this dimension was neglected in the traditional training and performance of the clinical chaplain. Therefore, the Health Department underwrote and supported graduate study which would bring this perspective into the division. The major part of the training has been completed and already this professional perspective is being infused through the presentation of papers, on-the-job training, and the use of consultants in order to widen the base on which the division performs its task within Central State Hospital.





## SCHOOL OF SPECIAL EDUCATION

The School of Special Education, located in three renovated wards of the Boland Building, provides remediation in academic needs as well as in social skills and cultural enrichment to emotionally disturbed or mentally retarded patients, 18 years of age or under. Of the underaged patients in the hospital that are classified educable or trainable, less than 50% can be accommodated within the school at any given time due to an inadequate educational facility not specifically designed to handle special education needs. A complete school complex designed for a total educational program has been planned and requested in order to reach a larger percentage of these patients.

The administrative and teaching staff work in conjunction with the State Health Department and Central State Hospital to provide a total therapeutic program for the students enrolled in the school. The school also cooperates with the Baldwin County School System, the State Department of Education and its Division of Exceptional Children, the Department of Education at the University of Georgia, Georgia State University and Georgia College at Milledgeville as well as the National Council of Exceptional Children and other sub-organizations of related interests to keep abreast of teacher certification requirements, current trends, innovative ideas and new approaches to reaching and teaching exceptional children.

The school is divided into five academic sections. This includes three general age groups for the emotionally disturbed, primary, intermediate, and high school. There are two groupings for the mentally retarded, divided by diagnostic testing to indicate I.Q. levels and academic achievement potentials. There are 703 patients 18 years of age or under at the hospital, 412 of which are classified educable or trainable, and 170 in school. The remaining 242 could be served by the school if a larger educational facility were available. Even though 170 students are enrolled, approximately 373 students were given educational services at the school during the past twelve months - a more realistic figure.

The present teaching staff totals 24, an increase of five over last year. The school also has seven administrative assistants and aides. All available space provided in the renovated wards in the Boland Building is now being used. No additional faculty or staff can be hired until a larger complex is provided.

The curricula of the school are geared to the individual needs of each child by providing remediation in academic needs, as well as in social skills and cultural enrichment. Most of the students have been in severe conflict with the original home-school-social environment and have failed



in public school classes - regular or special. The school provides instruction in order to supplement their many educational and/or social handicaps and to assist them in becoming more well-rounded and socially acceptable individuals.

The school is basically an education-treatment oriented project. In addition to the basic academic studies, the school provides the services of physical education, home economics, remedial reading, speech, music and art. Each teacher develops guidelines structured on individual bases, paces tasks to individual tempos and structures the environment either in the classroom or on cultural enrichment trips for behavior management and modification.

More involvement with the original home-school environment of each child is being initiated for the 1970-71 school year in order to provide better communication, understanding and help between this school's work with the student and the child's origin.

It has been proven that the carefully structured educational program paralleling the hospital's therapeutic treatment program shortens the length of time the patients are required to stay in the hospital. Credits earned by the student may be transferred to the home school.



Mrs. Glenda Young of CSH receives "Teacher of the Year" award from Baldwin County Asst. School Superintendent Dan Spears. Principal Rawlins looks on



When one's all right, he's prone to spite  
The doctor's peaceful mission;  
But when he's sick, it's loud and quick  
He bawls for a physician.

Eugene Field



# Physical Health

ASSISTANT SUPERINTENDENT  
PHYSICAL HEALTH



*William R. Howard, M.D.*

JONES & RIVERS HOSPITALS  
PHARMACY, DENTISTRY & SANITATION  
COORDINATOR, SPECIAL THERAPIES  
OCCUPATIONAL THERAPY  
RECREATIONAL THERAPY  
MUSIC THERAPY  
VOLUNTEER SERVICES  
REMOTIVATION SERVICES



JONES HOSPITAL  
GENERAL MEDICINE AND SURGERY

BUILDINGS: Jones (Const. 1930)

RESIDENT PATIENTS (June 30, 1970): 122

ADMISSIONS: 3,685

DIRECTOR: Joseph G. Bohorfoush, M.D.

ADMINISTRATOR: Norman E. Wood, Jr.

DIRECTOR OF NURSING: Mrs. Irene Wood, Registered Nurse

The Jones General Medical and Surgical Hospital is a 223-bed facility that provides inpatient and outpatient hospital care to the residents of Central State Hospital, the Georgia Rehabilitation Center for Women, and the Youth Development Center at Milledgeville.

Continual modernization of equipment and renovation of the physical plant has vastly improved the deliverance of patient care and enhanced environmental conditions during the past year. Some of the developments include complete renovation of the outpatient department, installation of additional air conditioning, and of several items of major equipment.

The OB-GYN department was moved to a remodeled area which includes a newly equipped and air conditioned delivery room, nursery, and labor room. Cardiology was relocated in a redecorated and air conditioned area providing more space. The addition of two electro-cardiograph machines enabled better treatment of an increasing patient load. The administrative department moved into the area vacated by the cardiology department which provided needed space for the centralization of clerical staff and the installation of a central dictating system. A marked improvement in the work flow has resulted.

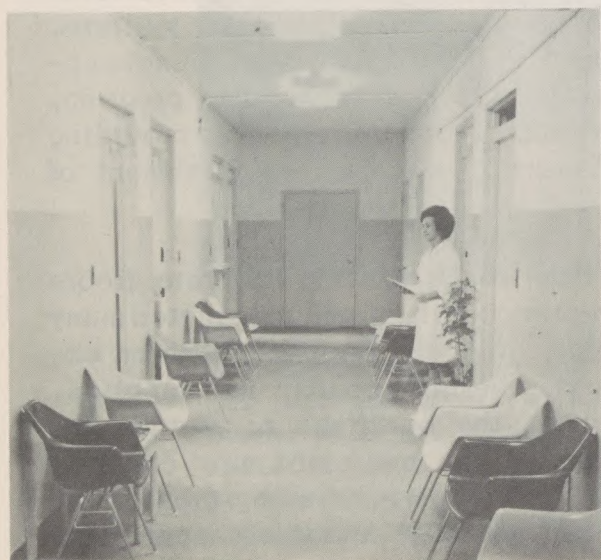
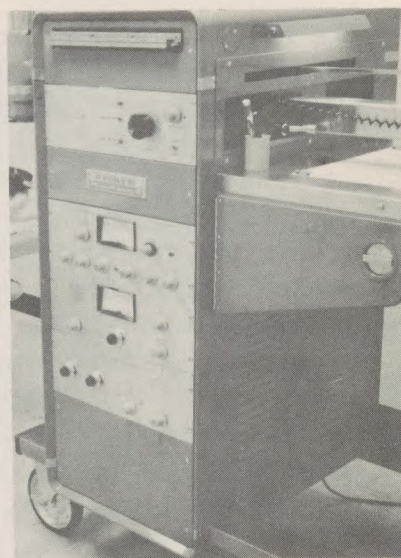
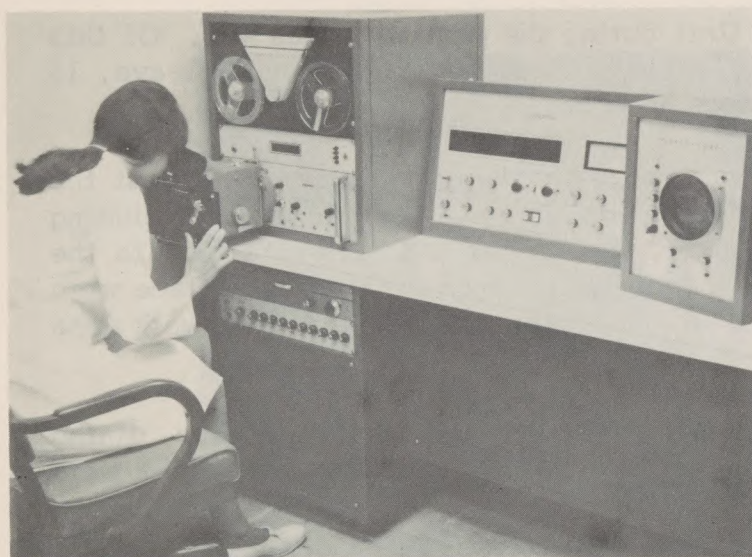
Physicians' offices were redecorated; a central waiting room and refreshment area was added for visitors to the Jones Hospital; all patient dormitories were air conditioned and most received new drapes and furniture. The installation of a central paging system provided all departments with a paging station.

The addition of new positions in the housekeeping department improved services to the extent that a marked reduction of infections resulted. This also enabled nursing personnel to be relieved of housekeeping duties and devote their full attention to patient care.



The Jones Hospital continues to carry on work in preventive medicine including survey and treatment of blindness, uterine and breast cancer, diabetics and unknown diabetics, anemias and blood dyscrasias, kidney diseases, and lung cancer. Every assistance was given in determining the infectious agents of epidemics.

During the past year the hospital treated a total of 3,685 individuals with a total of 53,707 days of patient care. The outpatient department reported 33,481 visits to the clinic, the laboratory completed 354,602 procedures, the surgery division completed 1239 procedures, and the ophthalmology section reported 370 operative procedures.



ABOVE LEFT AND RIGHT: Dynapix Scanner and Magna Scanner assist the radiologist in determining presence of pathology in various organs including the brain, lungs, thyroid and liver using various radio-isotopes as diagnostic agents. The Dynapix is specially useful since the information can be preserved on tape for later review. This new equipment makes it unnecessary to take CSH patients elsewhere for diagnosis of this nature. BELOW: The EKG ward represents an example of the extensive renovation of physical facilities which took place during 1970



RIVERS HOSPITAL  
TUBERCULAR, DIABETIC AND MEDICARE

BUILDINGS: Rivers (Const. 1939)

RESIDENT PATIENTS (June 30, 1970): 436

ADMISSIONS: 485

DIRECTOR: Mahmud Majanovic, M.D.

ADMINISTRATOR: George Hart

DIRECTOR OF NURSING: Mrs. Valeria Atchison, Registered Nurse

The total admissions to this Unit during the past year was 485. Of this number 314 were transferred, 114 were placed on convalescent leave, 15 were discharged, and there were 36 deaths.

The program of planned equipment renewal continued throughout the year with the purchase and installation of new X-ray equipment including a new film processor which facilitates better and faster service to the medical staff. The purchase of three electric typewriters to replace worn out manual models has increased efficiency and the amount of work done by secretarial employees.

Medicare is functioning well. New beds and bedside tables, dining room furniture and charts were added this year and new chart desks were installed in all nursing stations.

Rivers 5 was renovated and now houses a pilot program for alcoholic and drug treatment with a capacity of 30 patients. Many improvements were made during the year that have contributed to the patients' welfare. These included the addition of a full time social worker, a new housekeeping supervisor who has instituted a more intensive housekeeping program, the consolidation of two occupational therapy shops into one thus providing more day room space for patients on Rivers 7, and the establishment of two dining areas on Rivers 3.

Additional improvements included the sealing of all concrete floors which has kept the wards in a more sanitary condition and eliminated many obnoxious odors. The property and supply area was enclosed with an expanded metal wire guard and now provides better security for supplies. A chain-link fence was installed between the buildings to provide the patients with a more accessible recreation area and eight new concrete tables were added for the convenience of patients when having picnics and cookouts. Ramps for the transportation of wheelchair and stretcher patients were installed at the entrances to all three buildings. Rivers 1B has been



completely remodeled and now houses an administrative suite of offices thus consolidating all administrative employees and physicians in one area.

The electrical system of the complex was upgraded and updated to provide adequate electrical power. A survey was made to determine the exact square footage in the patient area which will provide a certified bed capacity of 510 beds.

The assignment of a registered nurse as a clinical instructor for the inservice education program has improved charting techniques on the ward, provided better orientation programs and added to the amount of on-the-job training received by psychiatric aides.



Hospital Administrator George Hart, the Unit Director Dr. Mahmud Majanovic and Director of Nursing Services Mrs. Valeria Atchison, R.N., preside at open house in Rivers Hospital marking the completion of new Administrative Suite of offices for physicians and professional staff members. The space was made available by a declining residential population at Central State.



## PHARMACY DIVISION

The past year has been marked by continued improvement particularly in the expansion and remodeling of physical facilities and the addition of much needed shelving and equipment. The expansion program has more than doubled the floor space and provided a modern office area. It has been possible to more efficiently arrange and organize storage areas. Also included in the new facilities is a separate explosive proof storage area for inflammables, an additional space for dispensing drugs for patients leaving the hospital on convalescent leave and a new waiting room and reception area.

The present staff consist of eight pharmacists, two pharmacy interns, five drug technicians, a secretary, a typist, and a truck driver. The staff operates in three main areas: the Central Pharmacy, satellite pharmacies, and the Jones Hospital Pharmacy.

New equipment includes a large walk in cooler for storage of items needing refrigeration, a bottle washing apparatus, new desks and chairs, an additional high-speed electronic tablet-capsule counting machine, and a new delivery truck.

The Pharmacy Division has recently reorganized with regard to basic purpose and intent. Efforts have been directed toward improving patient care by better utilization of new resources.

The Central Pharmacy staff is involved with continual refinement of systems pertaining to purchasing, repackaging, record keeping, and general information. The area of greatest improvement lies in the utilization of electronic data processing services to maintain a perpetual inventory system. The staff in this area is also responsible for the dispensing of drugs used in the Mental Health Aftercare Program, which is active throughout the state. The Central Pharmacy dispenses a 30-day supply of medication to each patient leaving the hospital.

The Jones Hospital Pharmacy staff is dedicated toward improved patient care in our general medical and surgical hospital. This includes direct daily contact with all ward personnel with the end result being better and safer handling procedures.

Satellite Pharmacies are manned by two full time pharmacists who continually move through each patient building in the hospital and inspect ward drug rooms for old drugs and excess inventories. They are also active in conducting inservice education programs as well as training ward personnel in correct drug procedures. This staff is responsible for the distribution and inventory of all narcotics and dangerous drugs in the hospital,



as well as the operation of Satellite Pharmacies in the Veterans Building and the Bostick Building.

The Central State Hospital Pharmacy purchased drugs and supplies during the last year to the amount of \$1,004,561.56. Prescriptions numbering 21,826 were filled for patients leaving the hospital on convalescent leave. Also, 5,427 prescriptions were filled for hospital employees.

The Division has been moving steadily forward for the past two years toward a goal of more efficient service to patients and an improved concept of patient care as pertaining to drugs.



Dr. William R. Howard, Assistant Superintendent - Physical Health expresses approval as Earl Ward, Executive Director, American Board of Diplomates in Pharmacy presents certificates to Dr. Durward Poland, CSH Director of Pharmacy and to Assistant Director Clarence E. Gissendanner for distinguishing themselves as specialists in Pharmacy and for meeting professional qualifications and requirements of the American Board of Diplomates in Pharmacy.



## DENTAL DIVISION

Achievements during the past year have made it apparent that a comprehensive program of dental care for patients at Central State Hospital is nearing reality. The dental program now includes most phases of dental care for adequate institutional dental service.

The installation of five two-chair and three one-chair satellite facilities now make possible treatment for patients who otherwise may not have received it. These facilities serve tubercular and diabetic patients, criminally insane patients, mentally retarded patients and those remotely located from the Central Dental Clinic. Completely mobile equipment is available which can easily be moved to any ward of the hospital for bedside dental treatment. Larger facilities are equipped with moveable dental chairs so that ambulance stretchers can be readily placed beside dental units thus allowing bed patients to receive treatment.

The Central Dental Clinic was completely remodeled and now includes administrative offices, conference areas, waiting rooms, a laboratory, library and storage areas. The six operatories were modernized with new equipment. A public address system and telephone intercommunication system was installed and new furniture was purchased for all waiting rooms.

The Central Dental Clinic serves an overflow of patients from other areas of the hospital and also provides consultation for referred cases. Staff training programs are located in the central clinic and all case presentations are made here.

The initiation and operation of a comprehensive oral hygiene program is a paramount objective in preventive dentistry, the dental hygienists devoting a relatively large amount of their time in this area. Periodic dental examinations are provided for all patients throughout the hospital including weekly examinations of all new patients. Those needing treatment are seen in the various dental clinics.

During the year 53,492 operations and treatments were completed and 16,725 oral examinations were performed. The dental laboratory processed 563 appliances and repaired 186.

The Division has maintained a full staff of nine dentists. In addition five licensed dental hygienists are employed. Six dental assistants are currently enrolled in the preceptor program for training hygienists.

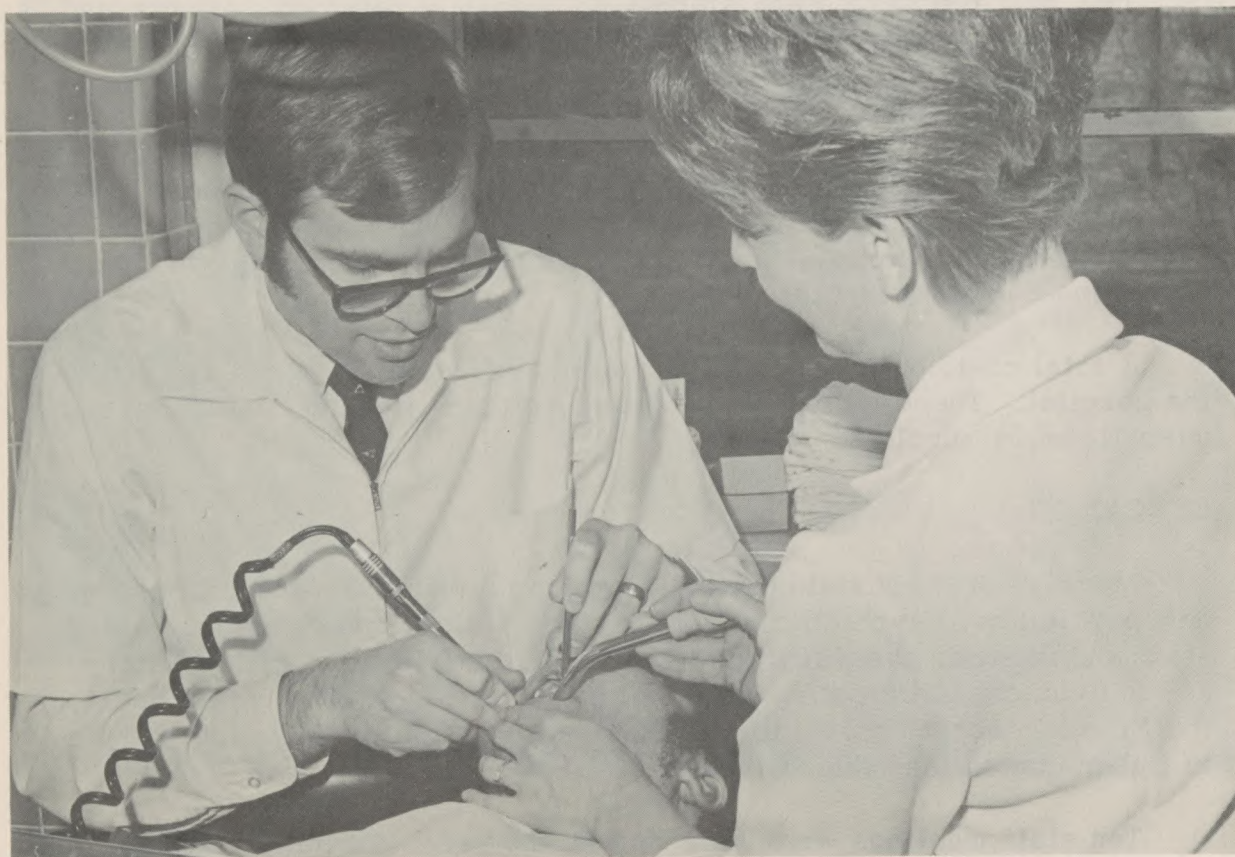
The Division's consulting maxillo-prosthodontist successfully performed facial restorations for three patients. These included the restoration of a nose, the replacing of an ear, and the restoration of a nose and lip



and adjacent facial structure. At the present time an operating room is being constructed in the Central Dental Clinic for accommodating patients requiring general anesthesia for dental extractions.

During the past year numerous scientific films and case presentations were shown at regularly scheduled staff meetings. Representatives of leading drug companies as well as outstanding professionals in the dental field were guest lecturers.

The hospital Dental Service Director is currently the First Vice President of the Central District Dental Society, and a staff dental hygienist is President of the Central District Dental Assistants Society.



*Staff Dentist Raymond Johnson, D.D.S., and Assistant Betty Joe Gordon provide dental treatment for patient visiting Central Dental Clinic*



## OCCUPATIONAL THERAPY DIVISION

The new central occupational therapy building was formally opened in February and provides a modern gift shop, store rooms, clinic and offices.

### PROGRAMS

Thirty-two individual programs were carried on during the year with 3295 patients participating. Several clinics have been combined providing more space, air conditioning has been installed and physical settings have been upgraded in all Units. Variety was added to the programs by the addition of new crafts such as oriental rug weaving, novelty afghans, colorful yarn pictures, and others.

Two new programs were started for mentally retarded patients and emphasis here continues to be placed on personal appearance as a vital element in treatment. Make-up and men's grooming products are made available to all clinics.

Socializing experiences were stressed in regular programs, as well as those planned and carried out cooperatively with other disciplines. Patients attended parties, cookouts, ballgames, watermelon cuttings, luncheons and other similar events.

A total of 1302 items with a value of \$894 were made and issued to the hospital. These included upholstery, picture framing, ceramics and miscellaneous supplies.

### EDUCATION

Members of the Division filled lecture requirements for student nurses, new physicians, psychiatric residents, psychiatric aides, music therapy staff and interns, pharmacy workers and new employees, with a total of 218 individuals participating in 742 training hours. On a voluntary basis, the Director taught conversational English once each week for four months to Cuban doctors and their wives.

Ten staff meetings were held during the year. Training classes in which employees participated included movies and lectures, a two-day workshop in mental retardation, a course in cardio-pulmonary resuscitation, and demonstrations on emergency first aid and data processing. Field trips were made to a ceramic studio, the Happy Hour School, a general craft workshop and an adult education training program in rug making, sewing and upholstery.

Division personnel hosted the annual meeting of the Georgia Occupational Therapy Association.



Projects made by patients as part of the treatment program were exhibited at meetings of the Crawford Long Medical Auxiliary in Athens, the Happy Hour Club in Macon and the Athens Fair. A total of 2504 patients were enrolled in occupational therapy programs during the year and with 791 on the enrollment at the beginning of the year, the Division served a total of 3295 patients. Of this number, 1207 were placed on convalescent leave, 205 were discharged, 347 were transferred to physical or psychiatric treatment programs, 65 were transferred to vocational rehabilitation or industry, 657 were transferred to other state institution programs.



*Visitors to the Central Occupational Therapy Building Display Room admire the comprehensive exhibit of handicraft done by patients.*



## MUSIC THERAPY DIVISION

Continued growth in personnel and quality of programming has been the outstanding feature of the past year. The staff increased from 24 full time employees to 29. The clinical training program provided instruction for five interns who completed their requirements for becoming registered music therapists. The interns came from Florida State University, the University of Wisconsin, and East Carolina University. Three of them remained as permanent employees following the completion of their training. The Division recently added a three-month internship for individuals desiring to specialize in music therapy for emotionally disturbed children. The first trainee was recently graduated and joined the Central State Hospital staff.

Increasing demands for music groups such as the Country-Western group and a dance combo will require expansion in the near future. The patients' ensemble is another popular music organization much in demand.

Since decentralization of music therapy programs into the Units, it has been possible for the therapists to structure these programs to more closely meet the needs of the patients. For instance, Boland 4 ward has been assigned to music therapy as a work and research project in toilet-training for severely retarded children. The result of this program was video-taped and the project was presented to the Southeastern Conference of the National Association of Music Therapists. It has received considerable acclaim and requests are being received from educational institutions around the country for use of the tape and color slide program.

A "total push" program has been established in Unit 5 emphasizing the release of chronic mentally ill patients. The work involves remotivation of the patients through the use of simple square dances, exercises, singing, and playing rhythm instruments.

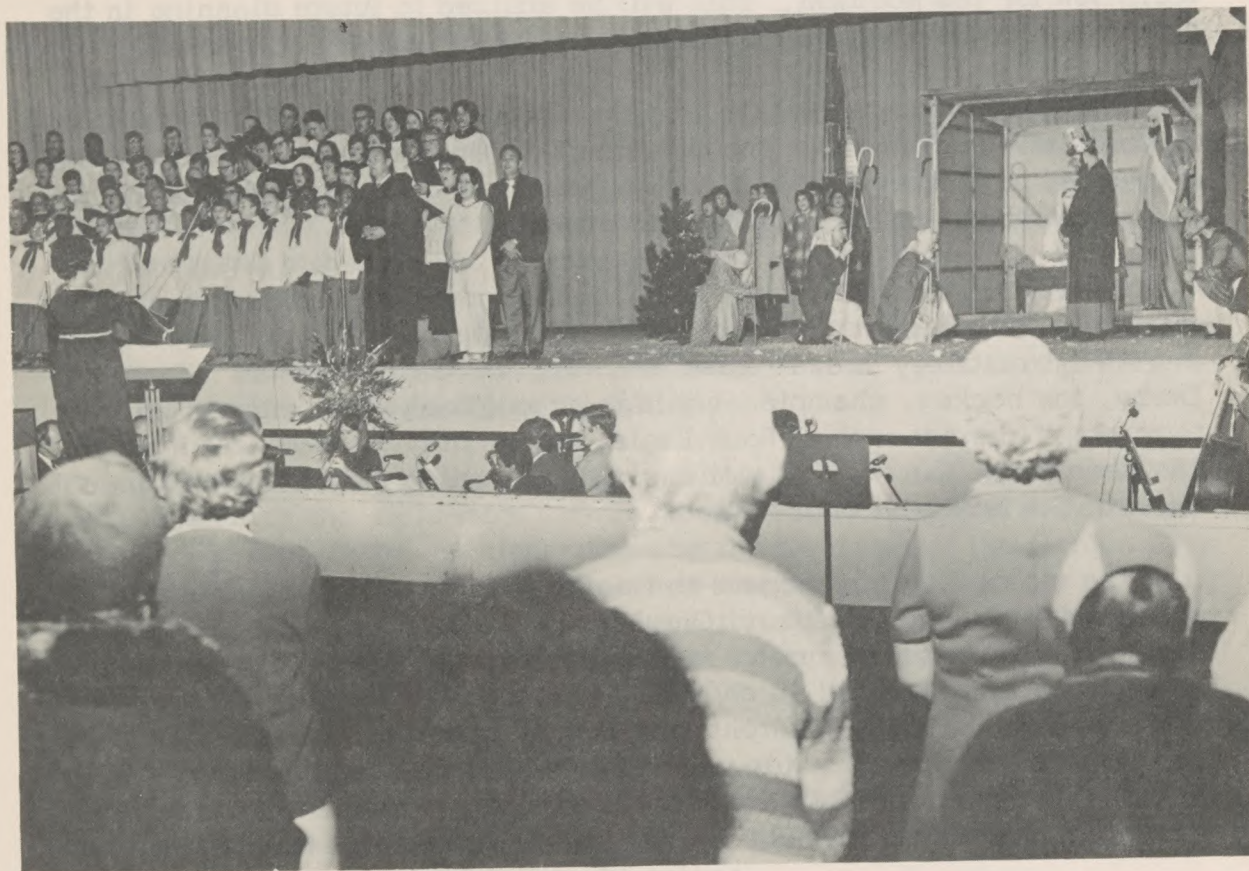
The Division's approach to treatment includes dynamic traditional programs and the use of behavioral modification. In the behavioral modification program the music therapists serve as members of the team approach. The Music Therapy Division of Central State Hospital has initiated one of the few music therapy research programs in the country. Utilizing the assumption that music does indeed influence behavior, and is therefore a useful therapeutic tool, certain goals have been developed to establish new treatment techniques. This provides an empirical basis for current treatment methodology by applying recent experimental technology in the clinical setting as well as provide research facilities and information which will enlighten the music therapy staff and improve treatment skills. Findings and conclusions will be published in appropriate professional journals. Three research projects are now in process, two of which



will be presented at the National Association for Music Therapy Convention this year.

The Music Therapy Division serves each of the chapels in the hospital by providing music for all services. The patient choir this year obtained much needed new choir vestments which were worn at the annual performance of "The Messiah." This traditional music work was one of the many fine musical offerings; several concert artists and choir groups have given performances for the patients throughout the year.

The Music Therapy Division, while functioning without the services of a permanent department head, continues to make advancements which are serving Central State Hospital, its patient population and the field of music therapy.



*Mrs. Saralyn Latham directs Music Therapy's Christmas pageant which presented the sacred and secular aspect of the Christmas story before a full house. The Atlanta Community Orchestra in their annual visit provided the accompaniment.*



## RECREATION THERAPY DIVISION

The highlight of last year was the participation by 64 Central State Hospital patients in the Georgia Special Olympics held in Atlanta. Participants were from Units 9, 3 and 2. They won 76 medals.

Decentralization to the Units has enabled the recreation therapists to better evaluate the needs of the patients and plan programs to meet these needs. The program is now structured to the requirements of the individual Unit rather than the hospital as a whole.

Two students from the University of Georgia did a study recommending the development of a recreation area on Lake Sinclair for the use of hospital patients. A graduate student from the University of Georgia is working on a master plan which is nearing completion for recreational areas and facilities for the hospital. This will be utilized in future planning in the recreation program at Central State.

The Division continues to provide clinical experience for recreation students and interns came from Florida State University and Indiana State University. Members of the Division participated in lecture programs for other disciplines in the hospital as needed.

Participation in community recreation by patients enrolled in hospital recreation activities has shown a marked increase. Some of these events included wrestling, Braves baseball, Harlem Globetrotters, the Roller Derby, ice hockey, championship high school basketball games and trips to points of interest such as Rock Eagle, Indian Mounds, and kaolin mines. The Recreation Therapy Division assisted in getting patients to the annual show of the Hoxie Brothers' Circus.

The structuring of programs to meet the needs of individual Units has added several new activities. One Unit has started a square dance club and two Golden Age groups for senior citizens have been formed. A new art program was initiated in another Unit. One Unit has a program which includes sponsoring a different fine arts program each month. One Unit has an exercise program for overweight women. Creative dramatics is emphasized in another Unit and other programs include dances, fish fries, bus trips, movies and various intramural sports activities and games.

The addition of four recreation therapists to the staff has helped materially in providing better programs.



## VOLUNTEER SERVICES

During the year the Central Patients Library became a reality with the employment of a librarian. The first six months were spent in processing over 2100 books which had been received through a federal grant. These represent a model collection of books for a mental institution. Good used shelving was given by the Library for the Blind in Atlanta. Tables, chairs, and other essential furnishings were purchased with federal grant money. Donated chairs and sofas were reupholstered by the occupational therapy upholstery department, and magazine and paper racks were made in the hospital carpentry shop. In addition to the excellent selection of books, 14 newspapers and 47 periodicals have been donated for the patients.

The Librarian conducted a bibliotherapy workshop to acquaint an invited group of staff members with this form of therapy. The audio-visual department made a videotape of this session for future reference.

The garden therapy program has now been in operation for ten years and is continuing to provide a most beneficial service to the patients and personnel. The patient garden club groups meet regularly the year-round, providing a variety of services to the patients. The volunteers have not relinquished their efforts in promoting financial sponsorship of the program through attendance at district meetings, state conventions, and providing programs and materials for individual garden club meetings throughout the state. A two-day orientation was held for the new State District Directors and Therapy Chairmen so that they could be better informed about the total program. Individual garden clubs are continuing to visit the hospital to see the garden therapy program in action.

The completion of the \$30,000 pavilion is the first step toward the development of the eight-acre park on Vinson Highway near the Rivers Hospital. The fund drive was undertaken by the treasurer of the Garden Club of Georgia, Inc. This most appropriate and attractive facility is being used by a variety of interested groups throughout the institution. The Horticulture Division continues to play an important role in the garden therapy activities and projects.

Members of the Georgia Hairdressers and Cosmetologists Association from 15 affiliates provided services for 303 patients. These included 107 cold waves, 300 shampoos, 186 haircuts, 290 hair sets, and many other services usually provided in beauty salons.

Recreation therapy has cooperated in arranging for and supervising school groups, church groups, civic, service and fraternal organizations which have provided a variety of programs, picnics and activities for patient groups. Individual volunteers including high school and college



students have contributed much to the program.

The Hoxie Brothers Circus gave their scheduled performances in April for the third consecutive year. Funds were already on hand as a result of the successful fund drive conducted by Radio Station WSB in 1969. The circus acts, patient participation, and personnel cooperation made this one of the most outstanding and successful activities to date. Among off-campus trips for which complimentary tickets were obtained were Atlanta Braves games, Atlanta Hawks, Shrine Circus, and Six Flags Over Georgia.

Art therapy remains a regular activity for several patient groups. In addition to the large annual art show depicting the works of the patients, pictures are displayed in the Central Patient Library on a rotating basis.

The Apparel Shop continues to operate from its temporary location, Pavilion E. The volume of donated new and used clothing is almost unbelievable. In addition to tons of clothing being sent directly to the buildings, 3,089 patient "customers" visited the shop.

Since the death of their Day Room Chairman, the Church Women United in Georgia has decided not to continue the Day Room project on a state wide basis but encouragement will be given individual church organizations to work directly with Volunteer Services on providing funds for furnishings. In April 1970 the state organization furnished a Day Room on Allen 1 West in memory of Mrs. L. L. Austin who was Day Room Chairman for many years, and on April 27, 1970, a beautiful and appropriate special dedication service was held. Three additional day rooms have been furnished with funds given by other groups and individuals.

The Music Therapy Department has utilized the services of high school and college students who were interested in and talented in music. The staff has also cooperated in managing and arranging for patients to attend special programs presented by visiting musical groups.

The excellent patient referrals to the weekly Alcoholics Anonymous meetings by the medical staff is indicative of their realization that these sessions are therapeutic to those who have alcohol and drug problems. The six sponsoring groups are to be commended for serving so faithfully over the past ten years.

The interest of individuals and groups participating in the "Forgotten Patient" program, regularly befriending approximately 300 patients, is most gratifying. Patients have been encouraged to write personal notes of acknowledgement to accompany the official reply. There has been a marked increase in the number of patient notes received which points out the personal interest and assistance given by the nursing personnel.

A special playground project for Boone 4, which was begun three years



ago, was completed. The area has been fenced in, a concrete pad has been built, a corrulux covering has been erected over the pad and essential playground equipment has been purchased. This provides a suitable place for the infants and small children to be taken off the ward and put in the fresh air and sunshine. A group of interested citizens of Smyrna, Decatur, Marietta and the Glenwood Jaycettes of Decatur are responsible for this endeavor.

Another project of the Glenwood Jaycettes is the total sponsorship of the bowling league from the Children's Unit. This involved paying the bowling fees, purchase of uniforms, providing awards for each child who participated, team trophies, and the special awards dinner given at a local restaurant which was also attended by a committee from the sponsoring group.

Volunteer Services has been the recipient of large quantities of toilet articles, cosmetics, shoe dye, and fabric dye which have proved invaluable to the patients. During the year, funds totaling \$6,560 have been donated for the purchase of special equipment and sponsorship of projects.

The 1969 M-Day Christmas program was held at Gracewood State School and Hospital as scheduled on the rotating basis. The patients had a wonderful Christmas with the denominational church parties, adequate Christmas cards to send to their friends and relatives, special ward programs, cake parties, and activities throughout the hospital which are usually associated with the Christmas season.

The second Annual Volunteer Awards Dinner was held at the Central Cafeteria on March 2, 1970. In addition to the individual volunteers being recognized, a special certificate was given to representatives of the Church Women United in Georgia, Macon Jaycees, Georgia Jaycettes, Women of the Presbyterian Church in Louisville, Georgia Hairdressers and Cosmetologists Association, and Garden Club of Georgia as an additional feature.

The Volunteer Services staff is grateful for the excellent assistance from the hospital personnel who have demonstrated their desire to cooperate fully by their efforts to supplement staff and programs with volunteers, to suggest appropriate special projects, utilizing available supplies and materials, and keeping the department informed of their needs. The Public Information Department has provided invaluable coverage of special activities through news releases and professional photographers. Slides have been an asset in presenting programs to interested community groups, inservice education and student nurse classes, and orientation for psychiatric residents.



## REMOTIVATION DIVISION

Remotivation, in its fifth year of operation as a departmental discipline, continues to make significant progress as a therapeutic modality. The development of the program continues on three levels - the unstructured non-formal activities relating to the basic functions inherent to human beings, the formal group structured type of simple conversational activity relating to features of everyday living free from emotional difficulties, and the advanced group type concentrating on in-depth conversation about current living with its accompanying problems.

Within the hospital, 558 patient activity groups held 20,088 sessions with 4,608 patient participants. The average number of patients, hospital-wide, participating in non-formal, unstructured types of remotivation in any given month numbered 2,000. The active aide remotivators, in any given month decreased to 60.

Remotivation activities which have produced good responses from patient participants are birthday parties, cookouts, picnics, ice cream socials, dining room projects, personal care, grooming, walks, cycling, swimming, community singing, musical band, shopping trips, field trips, tours to the Governor's Mansion, to town Fairs and to Rock Eagle, gardening, fishing, Girl Scouts, ward improvement, ward cleaning and beautification projects, flower making, flower arranging, window washing, poster and calendar making, sewing, dressmaking, dress revue, quilting (24-hour project in Medicare), knitting, Halloween, Thanksgiving dinners, Christmas play and pageant, nightclub activity, photography and T. groups.

The motivational program in the Mental Retardation Unit has pursued the goal of elevating the functional level of the residents to their fullest capabilities through exposure, experience and participation in coordinated efforts with recreation and occupational therapies.

A geriatric project in Unit 4 was directed by the recreation therapist and assisted by the remotivation instructor. In the beginning stages of the "Over Sixty" Club, it was found that the Unit had more than 250 patients 60 years of age and over. Through careful screening, 75-100 patients were selected for weekly group meetings. Successful activities included community "old-fashion" sings, cookouts, picnics, walks, bus tours, bingo parties, and tea parties.

During the training institutes, some 200 patients were involved with trainees who came from the southeastern region. As the Regional Training Center for the southeastern area, four training institutes and one workshop were held with 120 participants from hospitals and community agencies



within the area. Of the total number of participants, 55 were involved in the latter activity - a three day workshop at the Veterans Administration Center in Dublin.

A total of 1530 patients participated in the clinical laboratory settings manned by selected experienced Aide Remotivators in selected wards throughout the hospital. A total of 875 persons have been oriented to the hospital's remotivation program during the fiscal year. January 1970 marked the cessation of financial support for remotivation programs throughout the country by the Smith, Kline and French Laboratories. Each Training Center, however, was provided with three copies of the film, "Remotivation, A Technique for the Psychiatric Aide," available on loan to any interested institution or agency in the southeastern region. Some 750 persons have viewed the film since the donations were effected.



*Remotivation is a successful therapeutic technic at Central State Hospital*



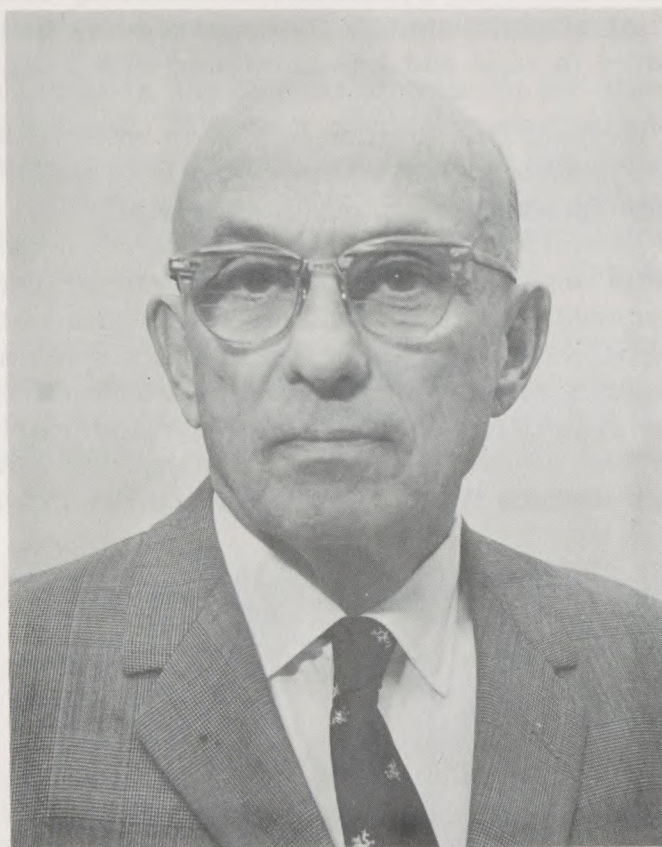
*Education is the instruction of  
the intellect in the laws of na-  
ture under which name I include  
not merely things and their for-  
ces, but men and their ways....*

*Thomas Huxley*



# Education Training Research

ASSISTANT SUPERINTENDENT  
EDUCATION, TRAINING, RESEARCH



*John W. Kemble, M.D.*

PSYCHIATRIC RESIDENCY  
TRAINING  
MEDICAL RECORDS  
MEDICAL LIBRARY  
RESEARCH  
NEUROLOGY  
AUDIO VISUAL





## EDUCATION, TRAINING AND RESEARCH

The Division has continued with accreditation in the training of psychiatrists, pharmacists, psychologists, social workers, clinical chaplains, music therapists, occupational therapists, and recreation therapists. Descriptions of the training programs are included in individual reports.

Programmed texts have been introduced to the professional staff and are being used as a means of instruction. An increasing number of requests for stipends find all budgeted positions filled to capacity. Stipends are offered in social work, psychology, business administration, religion, sociology and medicine in public health. A senior resident in ophthalmology from Mayo Clinic in Rochester, Minnesota, continues to rotate through the hospital's Ophthalmology Department every three months. This program was started in 1964 and has continued with satisfactory results.

The new Audiovisual Division has helped to broaden training programs in all areas of the hospital. These services will be utilized more as television distribution spreads throughout the hospital.

A three months' training program in psychiatric nursing procedures and techniques was conducted for 165 students from various affiliated nursing schools. Inservice training classes continue for aides and similar personnel. Considerable attention by all the professional departments has been given to the development of effective inservice training and orientation programs. Plans are being made for all attendants hired at the hospital to attend basic training in psychiatric nursing before ward assignments are made.

## NEUROLOGY

During the past year diagnostic facilities in this Division have greatly increased. An electromyograph has been purchased and put into use. Also a new ultrasonic analyzer was added now making it possible for more accurate diagnosis to be reached.

In 1970 there were 543 neurologic consultations, 246 echoencephalograms, and 1410 electroencephalograms, plus the studies mentioned above.

A total of five psychiatric residents rotated for a three month period through this service in 1970.

A neuropathologist consultant, Hans Peters, M.D., makes a monthly visit for teaching purposes. A neurologist consultant, Charles Rowley, M.D., from Macon, Georgia, is available on a non-scheduled basis.



## AUDIO-VISUAL SERVICES

A director of Audio-Visual Services was hired during August and initial steps taken to install a closed circuit television system and provide audio-visual support for all types of training in the institution.

A dining area in the Yarbrough Center was converted to a television studio, master control, repair, and office space. Distribution cable was installed to 20% of the hospital buildings. Priority was assigned to those buildings housing training areas.

During the year, nearly all disciplines utilized the system to some extent. A total of 193 programs were produced locally and 254 programs played back.

The primary effort is the support of training for attendants, nurses, and resident physicians. However, continuing medical education for physicians in practice, intern training sessions for the departments of psychology, music therapy, and recreation therapy has demanded many hours of television time. Evaluation sessions for psychiatrists, vocational rehabilitation counselors and social workers have also been undertaken.

Increased patient TV entertainment and education were also made available as a fringe benefit to the distribution system. Macon NBC and Georgia ETV were taken off the air and transmitted over the same cable as locally produced material.





## PSYCHIATRIC RESIDENCY TRAINING PROGRAM

### GOALS OF THE RESIDENCY PROGRAM

The Psychiatric Residency Training Program at Central State Hospital provides appropriate training to prepare qualified physicians for the practice of psychiatry as a medical specialty in private practice, in community mental health, or in an institutional setting. Emphasis is placed on developing sound understanding of the dynamics of human personality and behavior and the role of emotions therein. These teachings, combined with administrative experience in both institutional and community settings and consultation experience, prepare a resident to obtain certification by the American Board of Psychiatry and Neurology.

Since the program's initiation in 1964, the training faculty and consulting staff have consistently evaluated and improved the program. Supervision and direction of residents are provided by experienced professionals adequately trained and capable of assuming the responsibilities for teaching psychiatric residents. Although the program relies heavily on the individual resident's personal experiences as a learning device, the residency faculty is constantly scrutinizing residents' techniques and procedures to correct faulty methods and interpretations and guide residents toward sound psychiatric practice.

Each physician in the Psychiatric Residency Training Program is assigned a faculty member as his advisor for the three years of training. The close relationship between student and teacher lends itself to a more suitable and harmonious adjustment of the resident and for a more rapid airing of feelings which might otherwise block the learning process.

The first year of the training program is designed to acquaint residents with the basic principles of psychiatry and the care and treatment of psychiatric patients. The second year involves more specific areas of psychiatry and patient treatment on an intensive basis.

The final year of the program includes a series of three month rotations to various psychiatric specialty areas. These placements are in child psychiatry, community psychiatry, geriatrics and mental retardation, forensic psychiatry, neurology, psychosomatic medicine and possibly research.

Since its inception in January 1964 until the present day 31 residents have completed their training in this program. Initially the program was approved for 10 residents at each year level. There are presently 12 residents enrolled. Though there is no obligated service following the completion of this training our record of physicians remaining in the state



after completion of their training is excellent. Of the 31 that have completed their training here in our program, 23 continue to work at Central State Hospital, three remain elsewhere in the State of Georgia and only five have left the State of Georgia.

#### APPOINTMENT OF RESIDENTS

Residents are appointed to the Psychiatric Residency Training Program on a yearly basis with reasonable assurance of annual reappointment until completion of the three year program, unless individual considerations warrant other recommendations on the part of the faculty.

Applications are accepted for training beginning July 1 and January 1 of every year. Candidates must have graduated from an approved medical school in the United States or, if a graduate of a foreign medical facility, the applicant must have passed the ECFMG examination. An internship is no longer required; therefore, candidates may apply directly from medical school.

Through appropriate references, candidates must show evidence of good character and reputation. An interview with the Admissions Committee is desirable and an acceptable impression is an important criterion for approval.

Every effort will be made to determine the motives, qualifications and aptitudes of the candidate. Applicants may be accepted by transfer from an accredited psychiatric residency program if they meet all other requirements. Residents do not have to be licensed in Georgia if they are granted an institutional permit, but they are encouraged to obtain a medical license if qualified by examination or reciprocity.



*Dr. Evelio Diaz, Director of Mental Retardation Unit in conference with Residents in Psychiatry.*



*Dr. Martha McCranie of the Medical College of Georgia is one of many lecturers heard during the year*



## RESEARCH DIVISION

The Research Division conducts basic scientific investigations oriented toward problems of Central State Hospital patients. At present the cooperating disciplines represented are Genetics, Neurophysiology, and Bio-Chemistry.

Genetic studies probe the hereditary factors involved in syndromes and mental disorders, aiding diagnosis by means of chromosome culture and histological techniques. Genetic consultation is offered. Studies on genetic factors in fearfulness and retinal degeneration have continued.

Neurophysiological studies are centered about the phenomena of nerve conduction and the function of the eye. Visual defects are corrected to permit better learning among the hospital's mentally retarded children with a view toward therapy.

The Research Division has recently installed equipment for recording clinical and experimental electroretinography and will soon have facilities for recording visually evoked cortical potentials. Studies of visual function in mental retardates are nearing completion and a new test for visual acuity has been developed.

The figure shows the visual testing of a non-verbal mental retardate by matching the screen symbol with a panel symbol. A correct choice is rewarded with a tiny chocolate candy. Because all bio-chemical reactions are due to enzymes and a number of mental diseases and syndromes involve absence or distortion of enzymes, particular attention is being focused upon enzyme abnormalities among Central State Hospital patients.

A Negro Klinefelter syndrome case was karyotyped and found to possess an XXXY-XXXXY constitution. Our study of dehydrogenase, due to a gene on the X-chromosome, showed that substance not to be increased by the x-chromosomes, thus confirming the Lyon hypothesis that functionally all but one x-chromosome is discarded.

A study employing radio-active technetium and radio-active mercury showed that the blood-brain barrier is functional in excluding these substances as early as one day of age, whereas it is believed that some toxic substances are admitted early and later excluded.

This year the hospital's Research Bulletin carried a report on seventeen research projects. During the year a number of papers have been in preparation, and two papers have been published in Volume 61 of the Journal of Heredity. These were on "Melanin, Adrenalin and the Legacy of Fear,"



pages 81-88, and "A New Hereditary Degeneration of the Mouse Retina," Volume 61, pp. 62-63.

Education continues to be an important part of the Division's total program. During the year staff members gave 40 lectures. The Division also received 82 requests for reprints of scientific research publications. The requests came from 31 states and 14 foreign countries.

WHEN SPECIAL PROCEDURES ARE NECESSARY THE CSH STAFF DEVELOP THEM



Many mentally retarded children are unable to read the normal chart when being tested for glasses so Dr. Rex Courtney of CSH Research staff developed a special chart using the three symbols shown here. Teaching this little girl to recognize the symbols is Technician Donell Jernigan. This procedure insures adequate corrective measures for sight deficiencies.



## ADMISSION - MEDICAL RECORD SERVICES

Admission procedure innovation and implementation of the new Mental Health Law placed tremendous demands on the Medical Record Department during the last year; however, efficient operation was maintained and varied services were provided 24 hours a day, 7 days a week. Central State Hospital is unique in the experience of the majority of mental or general hospitals in that the medical staff is prompt in the completion of patient charts within the time limit specified by the Joint Commission on Accreditation of Hospitals. "Delinquent charting" is not a problem at Central State.

An on-the-job training program for inpatients and female prisoners in medical record procedures has resulted in motivating many trainees to enroll in formal programs of medical record library science or secure jobs in the medical record field upon release. Success in this project conducted with the cooperation of Vocational Rehabilitation has been gratifying.

Cooperative efforts of the Business Office, Social Service Department, and Medical Record Department in filing protective applications for Social Security benefits for the entire patient population of Central State Hospital received national recognition by Health, Education and Welfare.

Mr. Robert Bynum, regional commissioner of the Social Security Administration, complimented hospital personnel for performance "beyond the call of duty."

## MEDICAL LIBRARY

The Medical Library is now well supplied with the newest and best textbooks in the preclinical sciences and in all fields of medicine and medical education as well as in the other various fields that this library serves.

Suggested medical library book lists appearing in professional library publications and requests from our professional staff are screened by the library to determine new acquisitions. All additions are announced in the Weekly Bulletin.

The extensive holdings of the Medical Library are actively used to improve patient care and by staff members who are participating in college courses. Students from colleges in Milledgeville not connected with the hospital are also making use of the library service. Residents in ophthalmology from Mayo Clinic and students from the University of Georgia working at Central State have all necessary reading material available.

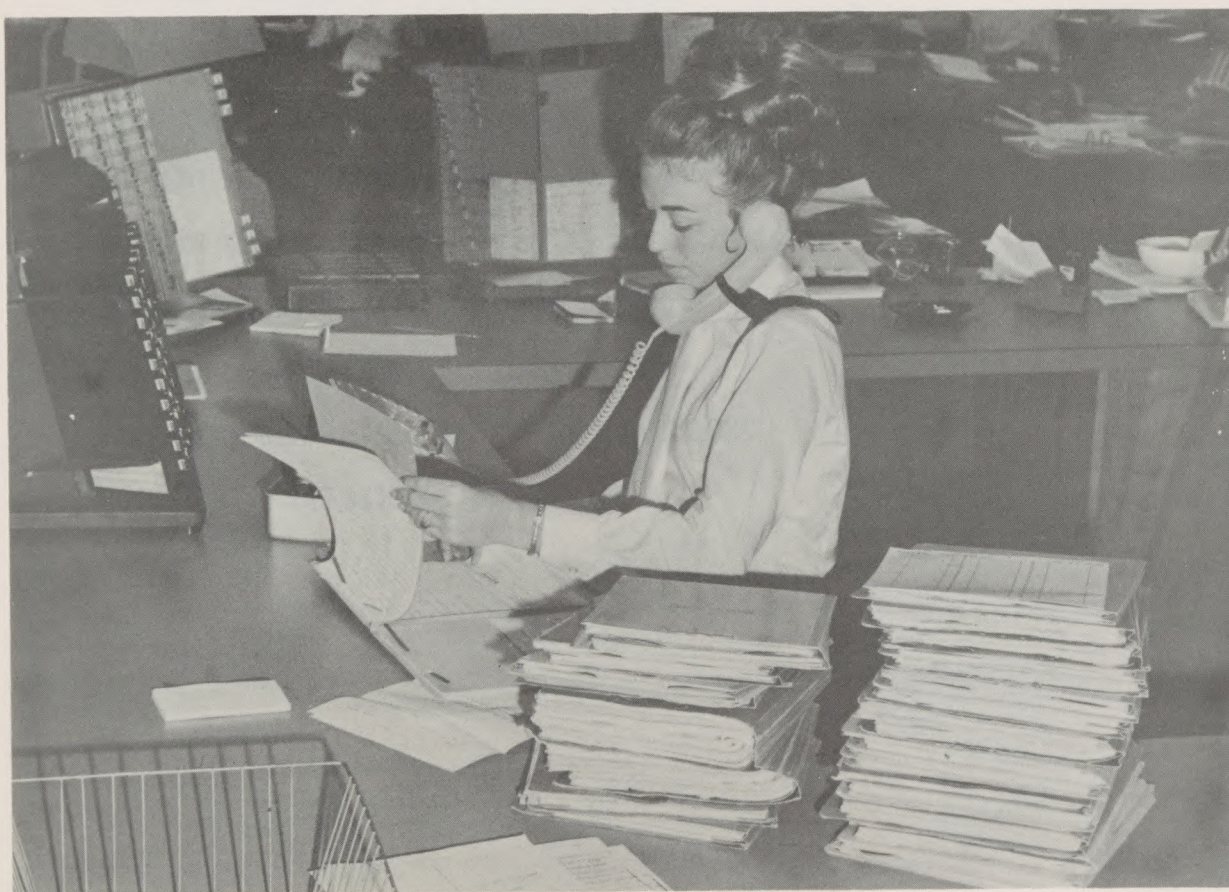


The Medical Library shares resources with Georgia College at Mill-edgeville and has active interlibrary loan relations with the Southeastern Regional Library Program as well as with other libraries.

The audio-digest tapes in internal medicine and surgery to which the Medical Library subscribes are regularly utilized by physicians working in the General Medical and Surgical Hospital.

The Medical Library is a member of the Medical Library Association, and the library participates in meetings such as the recent Medical Library Association Convention held in New Orleans, and the various workshops designed to keep the staff abreast of the newest information in the field.

ALL MEDICAL RECORDS AT CENTRAL STATE HOSPITAL ARE UP TO DATE





RECEIVED CROSS JOURNAL - MEDICAL

The Medical Library shares resources with Georgia College at Milledgeville and has active interlibrary loan relations with the Southeastern Regional Library Program as well as with other libraries. The audio-visual tapes in internal medicine and surgery to which the Medical Library subscribes are regularly utilized by physicians working in the General Medical and Surgical Hospital. The Medical Library is a member of the Medical Library Association and the library participates in meetings such as the recent Medical Library Association Convention held in New Orleans, and the various workshops designed to keep the staff abreast of the newest information in the field. In addition, the library has received grants from the National Endowment for the Humanities and the National Science Foundation to support its efforts in the field of medical history and the history of medicine. The library also has a collection of rare books and manuscripts, and a collection of medical instruments.

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Photograph of the Medical Library building, showing the entrance and the main facade.

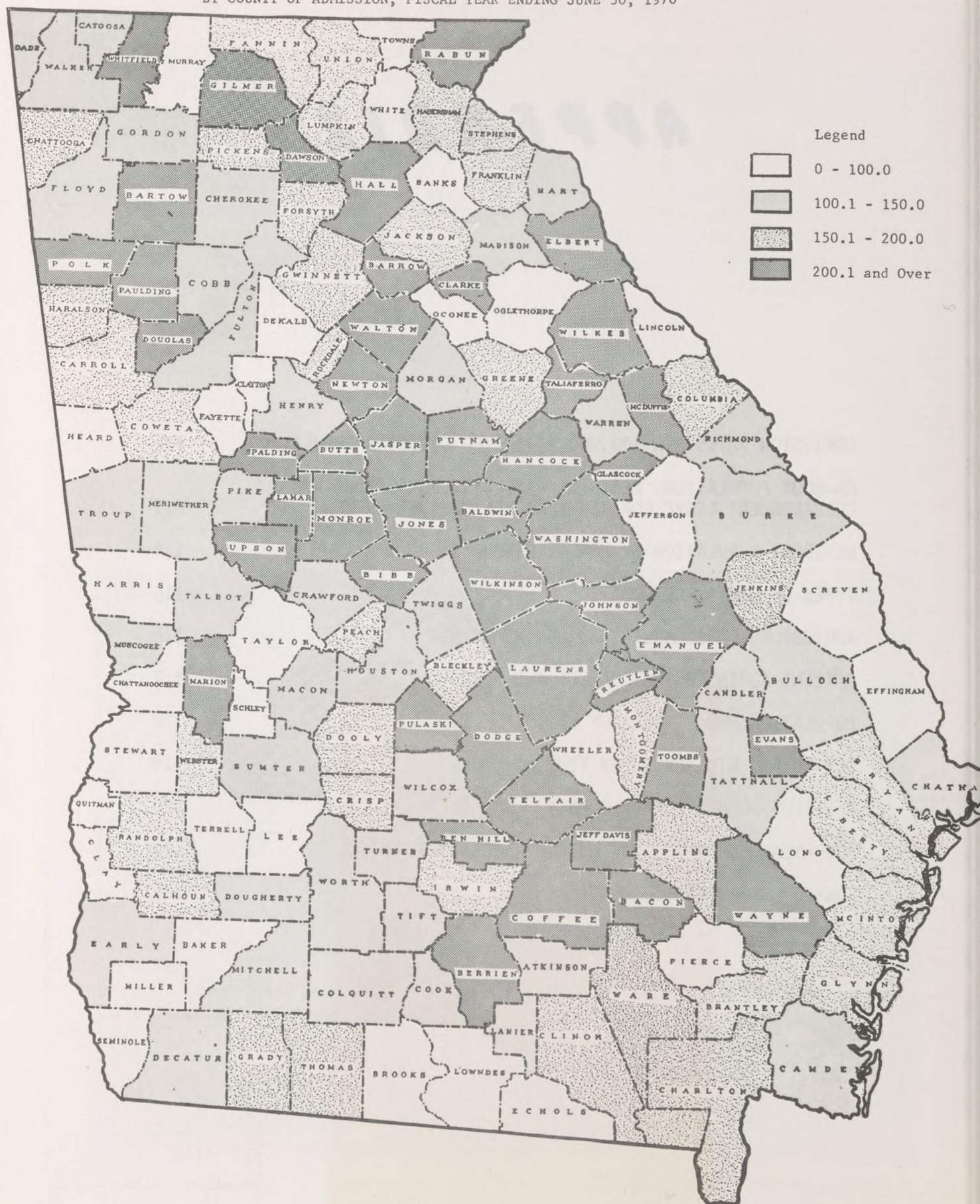


# **APPENDIX**

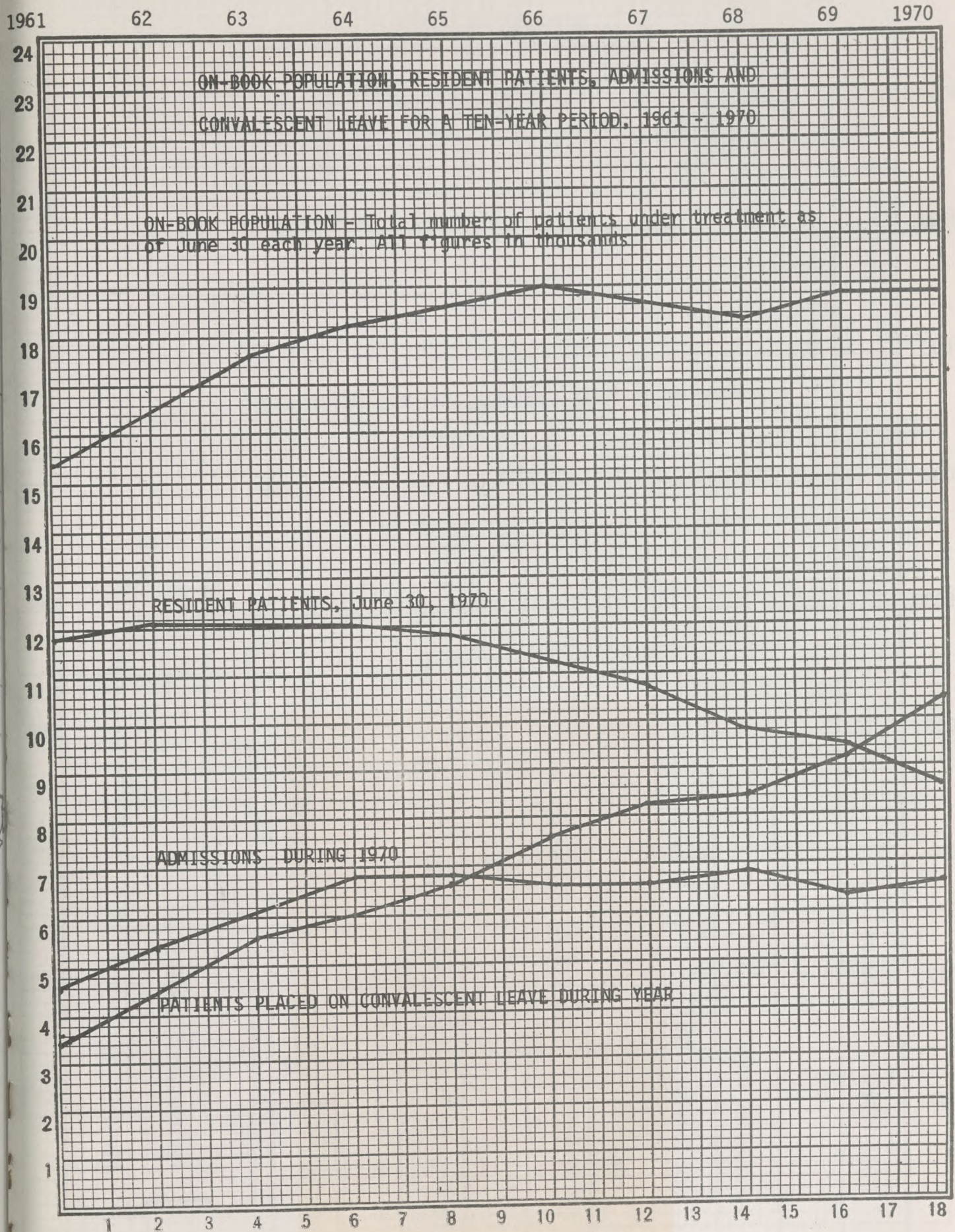
ADMISSION RATES PER 100,000 ESTIMATED CIVILIAN POPULATION	112
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ADMISSION RATES PER 100,000 ESTIMATED CIVILIAN POPULATION,  
BY COUNTY OF ADMISSION, FISCAL YEAR ENDING JUNE 30, 1970









RESIDENT POPULATION BY MENTAL DISORDER

9000

8000

7000

6000

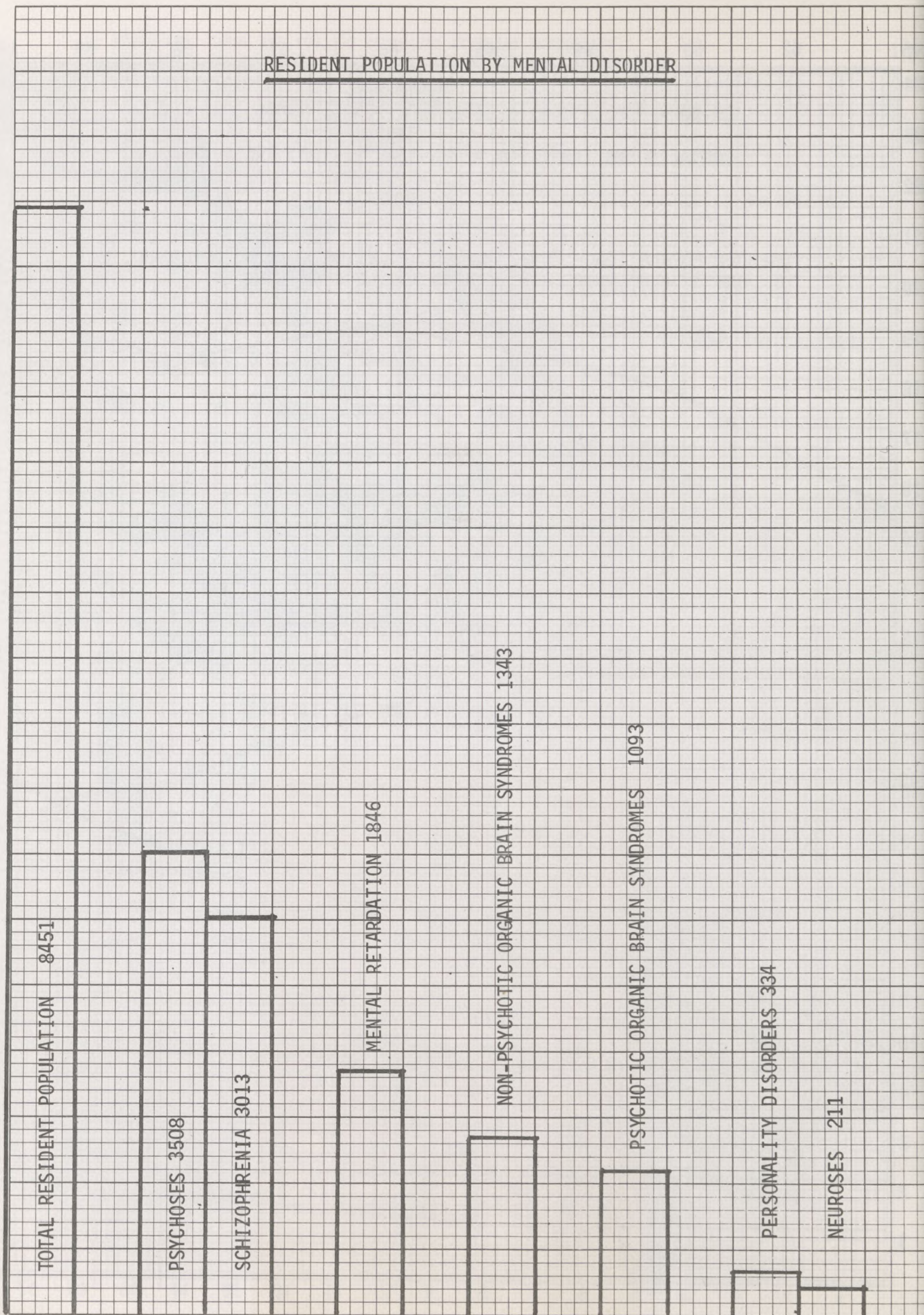
5000

4000

3000

2000

1000

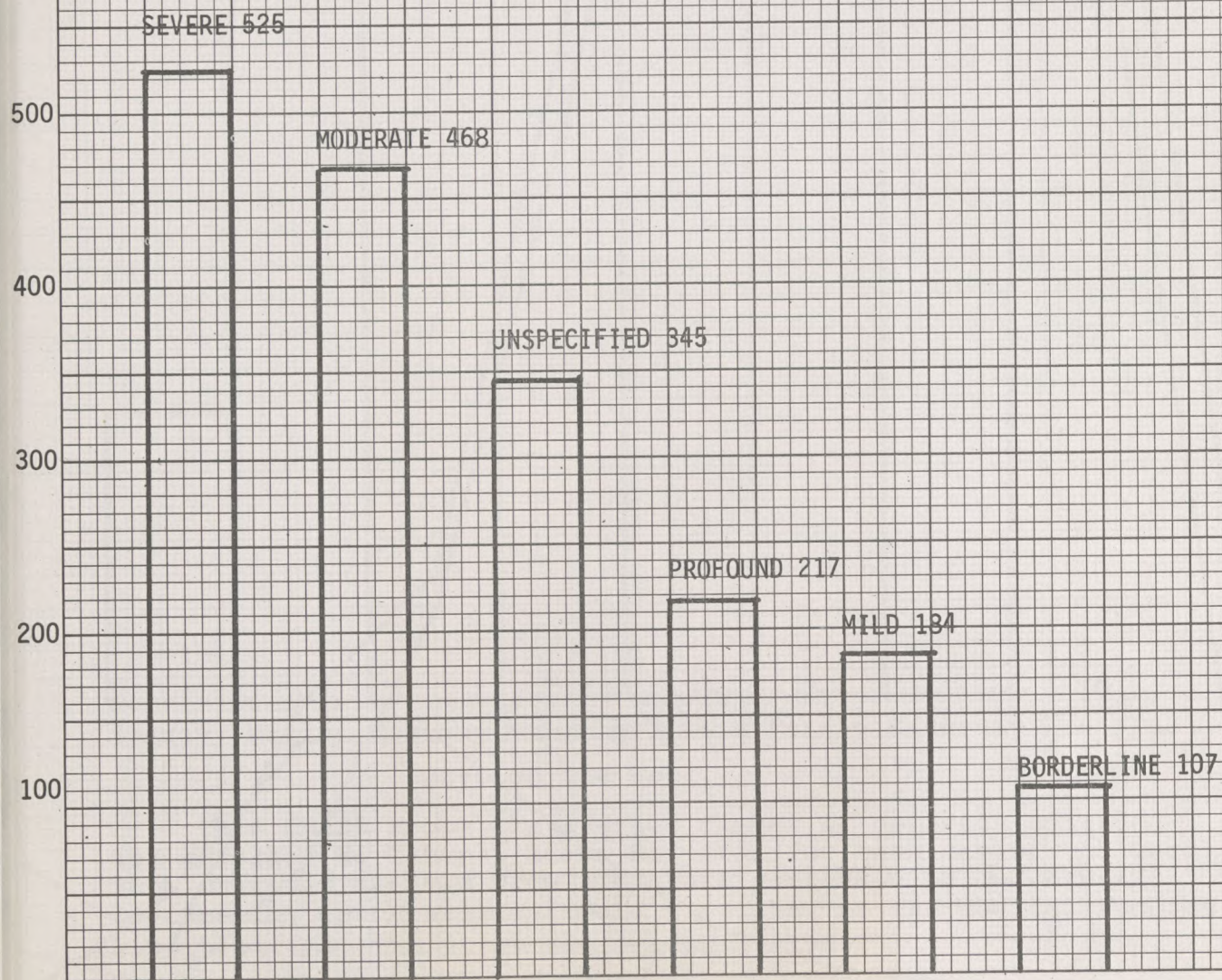




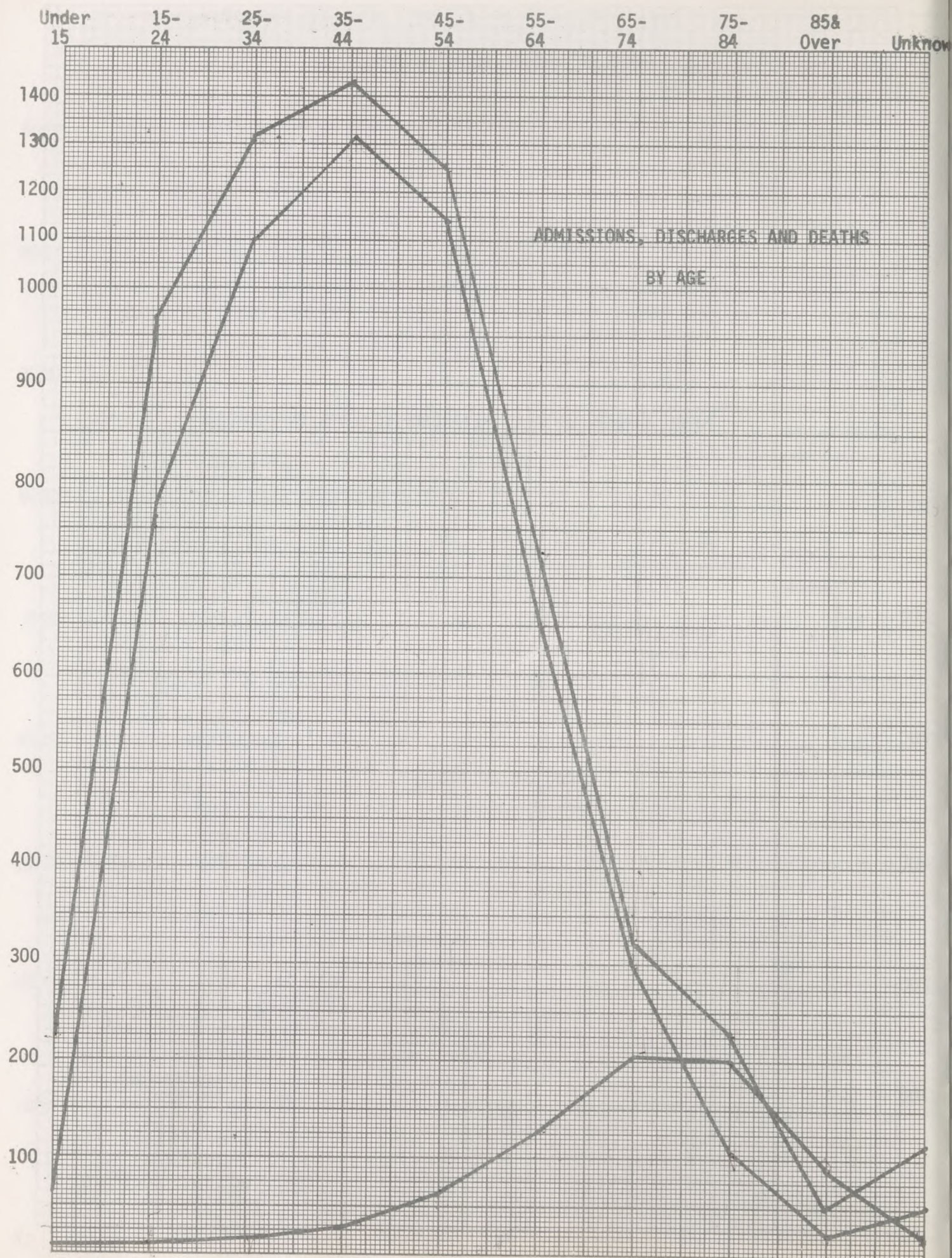
# TYPES OF MENTAL RETARDATION

TOTAL NUMBER MENTALLY RETARDED PATIENTS IN HOSPITAL

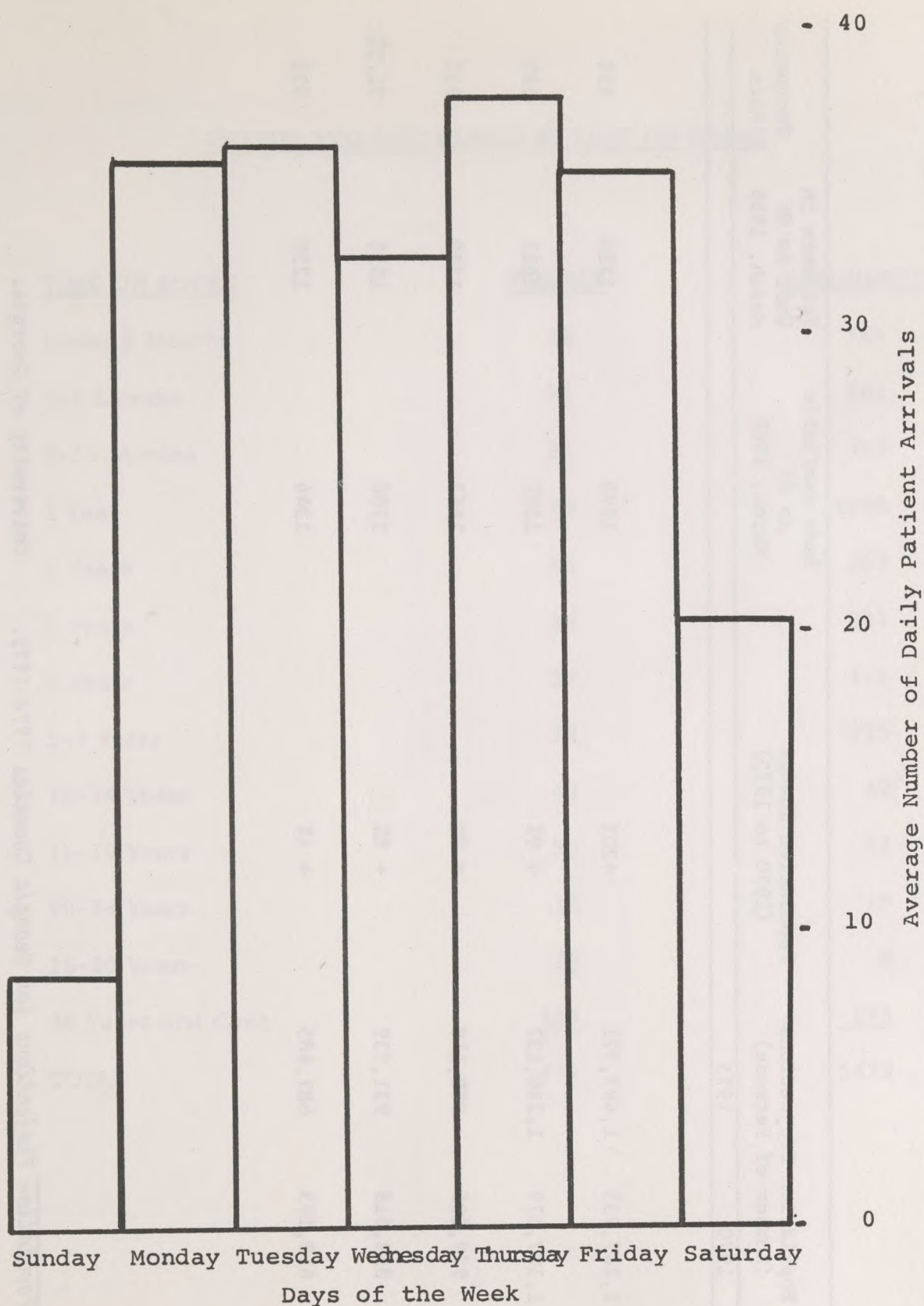
1846











This chart shows the average number of patients admitted and returned to Central State Hospital for each day of the week. This chart is derived from a project performed by Industrial Engineering which utilized data furnished by the Medical Records Department for the first six months of 1969.



Table 1. Population Projections by Unit, 1970-1975, Versus Present Available Beds and Occupancy

Unit	Population Projections* (Number of Persons)		Population Change (1970 to 1975)	Beds available As Of March, 1969	Patients in Unit As Of March, 1969	Occupancy Rate
	1970	1975				
I	1,247,735	1,497,771	+20%	1299	1236	95%
II	1,107,579	1,210,137	+ 9%	1591	1411	89%
III	928,205	980,118	+ 6%	1463	1328	91%
IV	859,518	931,339	+ 8%	1700	1553	91.5%
V	658,193	681,485	+ 4%	1344	1250	93%

\*Source: *Population Projections for Georgia Counties 1970-1975.*

University of Georgia.



DEATHS AND DISCHARGES BY TIME ON BOOKS

<u>TIME ON BOOKS</u>	<u>DEATHS</u>	<u>DISCHARGES</u>
Under 3 Months	88	745
3-5 Months	51	201
6-11 Months	82	159
1 Year	79	2248
2 Years	56	551
3 Years	38	251
4 Years	37	118
5-9 Years	78	225
10-14 Years	49	48
15-19 Years	30	27
20-24 Years	18	19
25-29 Years	28	8
30 Years and Over	<u>137</u>	<u>875</u>
TOTAL	771	5479



## RESIDENT POPULATION BY COUNTY

APPLING	25	FANNIN	26	OGLETHORPE	23
ATKINSON	8	FAYETTE	20	PAULDING	39
BACON	22	FLOYD	133	PEACH	38
BAKER	6	FORSYTHE	24	PICKENS	20
BALDWIN	133	FRANKLIN	18	PIERCE	10
BANKS	14	FULTON	1300	PIKE	30
BARROW	35	GILMER	20	POLK	81
BARTOW	65	GLASSCOCK	10	PULASKI	27
BEN HILL	41	GLYNN	79	PUTNAM	17
BERRIEN	14	GORDON	49	QUITMAN	2
BIBB	376	GRADY	26	RABUN	14
BLECKLEY	32	GREENE	25	RANDOLPH	25
BRANTLEY	7	GWINNETT	67	RICHMOND	204
BROOKS	30	HABERSHAM	47	ROCKDALE	29
BRYAN	8	HALL	108	SCHLEY	6
BULLOCH	46	HANCOCK	29	SCREVEN	34
BURKE	43	HARALSON	38	SEMINOLE	5
BUTTS	16	HARRIS	25	SPALDING	108
CALHOUN	13	HART	21	STEVENS	26
CAMDEN	14	HEARD	17	STEWART	31
CANDLER	15	HENRY	25	SUMTER	52
CARROLL	77	HOUSTON	56	TALBOT	15
CATOOSA	33	IRWIN	12	TALIAFERRO	9
CHARLTON	11	JACKSON	40	TATNALL	32
CHATHAM	329	JASPER	22	TAYLOR	17
CHATTAHOOCHEE	5	JEFF DAVIS	19	TELFAIR	36
CHATOOGA	37	JEFFERSON	41	TERRELL	27
CHEROKEE	52	JENKINS	30	THOMAS	63
CLARKE	95	JOHNSON	24	TIFT	39
CLAY	8	JONES	13	TOOMBS	54
CLAYTON	56	LAMAR	30	TOWNS	5
CLINCH	4	LANIER	8	TREUTLEN	8
COBB	187	LAURENS	94	TROOP	87
COFFEE	32	LEE	7	TURNER	24
COLQUITT	64	LIBERTY	20	TWIGGS	16
COLUMBIA	22	LINCOLN	8	UNION	11
COOK	12	LONG	7	UPSON	63
COWETA	80	LOWNDES	76	WALKER	76
CRAWFORD	16	LUMPKIN	19	WALTON	43
CRISP	42	MACON	25	WARE	71
DADE	14	MADISON	32	WARREN	11
DAWSON	7	MARION	19	WASHINGTON	31
DECATUR	41	McDUFFIE	22	WAYNE	30
DEKALB	307	McINTOSH	8	WEBSTER	7
DODGE	47	MERIWETHER	47	WHEELER	6
DOOLY	26	MILLER	10	WHITE	11
DOUGHERTY	114	MITCHELL	32	WHITFIELD	106
DOUGLAS	49	MONROE	28	WILCOX	17
EARLY	26	MONTGOMERY	10	WILKES	25
ECHOLS	2	MORGAN	17	WILKINSON	25
EFFINGHAM	17	MURRAY	19	WORTH	32
ELBERT	44	MUSKOGEE	243		
EMANUEL	51	NEWTON	59		
EVANS	12	OCONEE	16	TOTAL	7921



## FOUR-YEAR COMPARISON OF COUNTY ADMISSIONS

COUNTY OF ADMISSION	YEAR				
	1967	1968	1969	1970	TOTAL
Appling	19	17	15	24	75
Atkinson	7	1	9	8	25
Bacon	15	26	33	31	105
Baker	5	1	1	2	9
Baldwin	119	144	127	176	566
Banks	5	7	9	6	27
Barrow	45	52	39	40	176
Bartow	61	73	46	69	249
Ben Hill	37	37	37	41	152
Berrien	19	19	23	34	95
Bibb	256	273	279	333	1141
Bleckley	23	23	14	19	79
Brantley	15	13	20	12	60
Brooks	24	16	18	15	73
Bryan	15	16	13	11	55
Bulloch	28	32	36	32	128
Burke	25	19	20	24	88
Butts	27	27	17	24	95
Calhoun	8	4	11	12	35
Camden	17	12	13	14	56
Candler	6	17	5	8	36
Carroll	79	66	58	67	270
Catoosa	35	34	40	39	148
Charlton	7	5	8	12	32
Chatham	154	161	167	184	666
Chattahoochee	1	4	0	1	6
Chattooga	30	24	23	36	113
Cherokee	47	58	45	40	190
Clarke	100	118	112	116	446
Clay	3	7	10	4	24
Clayton	81	88	82	76	327
Clinch	11	15	12	11	49
Cobb	196	237	194	211	838
Coffee	51	29	35	43	158
Colquitt	71	54	49	46	220
Columbia	22	32	24	34	112
Cook	17	16	17	14	64
Coweta	65	70	63	56	254
Crawford	5	10	8	7	30
Crisp	33	32	36	28	129
Dade	17	17	15	11	60
Dawson	7	9	8	12	36



COUNTY OF ADMISSION	YEAR				
	1967	1968	1969	1970	TOTAL
Decatur	39	47	32	27	145
DeKalb	278	300	274	231	1083
Dodge	43	24	31	60	158
Dooly	11	26	20	18	75
Dougherty	95	106	96	84	381
Douglas	40	29	38	56	163
Early	21	26	20	18	85
Echols	2	5	0	0	7
Effingham	13	19	7	7	46
Elbert	27	28	41	38	134
Emanuel	50	52	56	51	209
Evans	18	12	11	17	58
Fannin	24	18	21	24	87
Fayette	7	10	13	6	36
Floyd	106	101	103	76	386
Forsyth	28	25	23	29	106
Franklin	23	23	31	24	101
Fulton	987	873	800	771	3431
Gilmer	14	21	24	19	78
Glascocock	5	6	9	6	26
Glynn	70	82	91	89	332
Gordon	48	41	40	32	161
Grady	26	33	23	35	117
Greene	17	15	17	20	69
Gwinnett	78	92	85	99	354
Habersham	35	32	36	30	133
Hall	102	107	135	154	498
Hancock	22	24	17	27	90
Haralson	31	29	29	28	117
Harris	15	11	18	9	53
Hart	22	24	24	24	94
Heard	16	5	8	2	31
Henry	19	24	28	27	98
Houston	66	71	55	73	265
Irwin	16	12	7	13	48
Jackson	32	31	22	38	123
Jasper	6	15	13	19	53
Jeff Davis	36	20	24	31	111
Jefferson	21	29	20	14	84
Jenkins	17	17	17	14	65
Johnson	20	26	21	19	86
Jones	20	21	19	24	84
Lamar	21	20	19	25	85



COUNTY OF ADMISSION	YEAR				
	1967	1968	1969	1970	TOTAL
Lanier	9	8	9	5	31
Laurens	54	73	59	80	266
Lee	4	3	3	3	13
Liberty	20	19	24	18	81
Lincoln	11	13	6	5	35
Long	5	7	1	2	15
Lowndes	62	52	38	48	200
Lumpkin	12	16	14	17	59
Macon	14	31	15	14	74
Madison	23	22	21	17	83
Marion	8	8	5	12	33
McDuffie	21	56	61	53	191
McIntosh	11	5	7	13	36
Meriwether	21	30	31	27	109
Miller	12	10	9	6	37
Mitchell	29	37	16	23	105
Monroe	25	28	23	25	101
Montgomery	7	13	9	13	42
Morgan	18	11	9	11	49
Murray	12	12	8	12	44
Muscogee	196	166	187	172	721
Newton	67	58	55	57	237
Oconee	11	13	14	8	46
Oglethorpe	7	14	8	8	37
Paulding	42	45	46	49	182
Peach	36	39	32	27	134
Pickens	14	16	13	19	62
Pierce	13	9	10	8	40
Pike	18	14	9	9	50
Polk	64	58	52	61	235
Pulaski	17	24	14	21	76
Putnam	21	16	15	32	84
Quitman	2	2	1	2	7
Rabun	13	21	17	25	76
Randolph	14	21	12	16	63
Richmond	241	248	160	181	830
Rockdale	26	29	24	29	108
Schley	2	4	4	3	13
Screven	28	19	17	13	77
Seminole	10	6	10	4	30
Spalding	93	105	97	95	390
Stephens	35	24	30	33	122
Stewart	10	14	8	7	39



COUNTY OF ADMISSION	YEAR				
	1967	1968	1969	1970	TOTAL
Sumter	32	34	30	27	123
Talbot	8	13	10	10	41
Taliaferro	5	4	2	5	16
Tattnall	24	20	18	20	82
Taylor	10	6	7	4	27
Telfair	26	29	28	29	112
Terrell	7	15	17	10	49
Thomas	55	76	44	65	240
Tift	28	31	29	32	120
Toombs	53	55	51	62	221
Towns	11	6	6	2	25
Treutlen	20	14	16	22	72
Troup	74	67	76	66	283
Turner	13	16	12	11	52
Twiggs	11	18	13	11	53
Union	16	12	19	13	60
Upson	44	32	37	58	171
Walker	92	95	77	66	330
Walton	56	66	57	62	241
Ware	70	64	99	65	298
Warren	9	17	6	8	40
Washington	49	42	27	46	164
Wayne	30	32	28	49	139
Webster	6	1	3	5	15
Wheeler	9	11	12	5	37
White	5	7	4	2	18
Whitfield	96	81	91	123	391
Wilcox	11	9	9	10	39
Wilkes	25	27	14	23	89
Wilkinson	24	24	21	21	90
Worth	20	22	15	19	76
TOTAL	6691	6802	6290	6625	26,420



MEDICAL DEPARTMENT

James B. Craig, M.D.\*  
Superintendent

John W. Kemble, M.D.\*  
Assistant Superintendent, Education, Training & Research

William R. Howard, M.D.  
Assistant Superintendent - Physical Health

W. T. Smith, M.D.\*  
Clinical Director - Psychiatric Service

H. C. Miles, M.D.\*  
Clinical Director - Psychiatric Service

UNIT I

Santiago Aguilar, M.D. ....	Director
Francisco Borges, M.D. ....	Psychiatric Resident
Jose Delgado, M.D. ....	Psychiatric Resident
Maria Dourron, M.D. ....	Staff Physician
Mohammed Karatela, M.D. ....	Physician Specialist I
Stephen E. Kramer, M.D.* ....	Staff Physician
Jesus Llobet, M.D. ....	Psychiatric Resident
Ricardo Mesa, M.D. ....	Staff Physician
B. E. Orosdy, M.D. ....	Staff Physician
Zelma Ozolins, M.D. ....	Senior Staff Physician
Raul Rivero, M.D. ....	Senior Staff Physician
Orlando Rojas, M.D. ....	Psychiatric Resident
Diego Sans, M.D. ....	Psychiatric Resident

UNIT II

Eduardo Guernica, M.D. ....	Director
Marta Bosch, M.D. ....	Physician Specialist I
Tomas Garcia-Montesinos, M.D. ....	Staff Physician
Humberto Ravelo, M.D. ....	Physician Specialist I
Roberto Rey, M.D. ....	Physician Specialist I
Muhammed Aslam-Sandvi, M.D. ....	Physician Specialist I
Adolph Sarma, M.D. ....	Chief Physician
Vilis J. Zakitis, M.D. ....	Chief Physician



UNIT III

Jose Mendoza, M.D. .... Director  
 Eugene Christian, M.D. .... Physician Specialist I  
 Moises Jacobs, M.D. .... Staff Physician  
 Juan Llambes, M.D. .... Staff Physician  
 Rafael Pascual, M.D. .... Senior Staff Physician  
 Francisco Huerta, M.D. .... Senior Staff Physician  
 R. S. Planas, M.D. .... Staff Physician  
 Jacinto Regalado, M.D. .... Staff Physician  
 Hector Sotolongo, M.D. .... Staff Physician

UNIT IV

Charles Rich, M.D.\* .... Director  
 John Azzi, M.D. .... Senior Staff Physician  
 Ramon Berenguer, M.D. .... Senior Staff Physician  
 Thomas Bullock, M.D. .... Physician Specialist I  
 Marta L. Dzirkalis, M.D. .... Senior Staff Physician  
 Clifford Harden, M.D. .... Physician Specialist I  
 Mario de Laosa, M.D. .... Chief Physician  
 N. T. Soorya, M.D. .... Physician Specialist I  
 John J. Word, M.D. .... Physician Specialist 2

UNIT V

Lorenzo del Portillo, M.D. .... Director  
 Orestes Fernandez-Caral, M.D. .... Staff Physician  
 Jose Bernardo Garcia, M.D. .... Staff Physician  
 George Grant, M.D. .... Physician Specialist I  
 Isidro Insua, M.D. .... Staff Physician  
 Manuel J. Pena, M.D. .... Staff Physician  
 Carlos Perez-Abreu, M.D. .... Staff Physician  
 Roberto Perdomo, M.D. .... Chief Physician  
 Carlos Garcia Rivera, M.D. .... Staff Physician

UNIT VI

Carl Smith, M.D. .... Director  
 Ernesto Giro, M.D. .... Physician Specialist I  
 Victor Ubieta, M.D. .... Senior Staff Physician

UNIT VII

E. F. Stincer, M.D. .... Director  
 Miguel Bosch, M.D. .... Physician Specialist I  
 Gudio Graciaa, M.D. .... Psychiatric Resident



UNIT VIII

Juan Portuondo, M.D.\* ..... Director  
 Hortensia Alvarez, M.D. .... Psychiatric Resident  
 Mary Elliott, M.D. .... Physician Specialist 2  
 Jose Gonzales, M.D. .... Physician Specialist 1  
 Juan Perez, M.D. .... Psychiatric Resident  
 Jose Rouco, M.D. .... Psychiatric Resident  
 Odelia Zapatero, M.D. .... Physician Specialist 1

UNIT IX

E. F. Diaz, M.D. .... Director  
 Manuel Diaz Estrada, M.D. .... Senior Staff Physician  
 Ana Marrero, M.D. .... Psychiatric Resident  
 Teofilio Milian, M.D. .... Staff Physician III  
 Rene Montero, M.D. .... Physician Specialist 2  
 Juna Trejo, M.D. .... Staff Physician  
 Luis Samper, M.D. .... Physician Specialist 2  
 Emilio Yero, M.D. .... Staff Physician

UNIT X

S. A. Mendez, M.D. .... Director  
 Armando Gutierrez, M.D. .... Physician Specialist 1  
 Henry F. Yost, M.D. .... Senior Physician, Medical Specialty

NEUROLOGY

John W. Kemble, M.D.\* ..... Director  
 Rafael Alvarez, M.D. .... Psychiatric Resident  
 Jose Rubio, M.D. .... Psychiatric Resident

RESEARCH

Clyde Keeler, Sc.D., Ph.D. .... Director  
 G. R. Courtney, O.D. .... Neurophysiologist  
 Jerry Curtis, Ph.D. .... Biochemist

PSYCHIATRIC RESIDENCY TRAINING

Louis Jacobs, M.D. .... Director  
 E. F. Stincer, M.D. .... Supervisor



## SPECIALIZED MEDICAL SERVICES

GENERAL MEDICINE & SURGERY

J. G. Bohorfoush, M.D. ....	Director
E. G. Allende, M.D. ....	Physician Specialist 2
Sergio Alvarez-Mena, M.D. ....	Physician Specialist 2
Antonio Ballagas, M.D. ....	Senior Staff Physician
David Cardoso, M.D. ....	Physician Specialist 3
Harold Carson, M.D. ....	Staff Physician
Osvaldo Casas, M.D. ....	Senior Staff Physician
S. H. Dillard ....	Optometrist
Andres Fernandez, M.D. ....	Physician Specialist 2
Samuel Goodrich, M.D. ....	Physician Specialist I
Pilar Goicoechea, M.D. ....	Physician Specialist 2
Francisco Gomez, M.D. ....	Senior Staff Physician
Jose Jimenez, M.D. ....	Chief Physician, Medical Specialty
Raymond Jordan, M.D. ....	Senior Staff Physician
Leon Koen, M.D. ....	Physician Specialist 2
Joseph Leyva, M.D. ....	Physician Specialist 1
Carlos Montalvo, M.D. ....	Senior Staff Physician
John Moody, M.D. ....	Chief Physician
Perry Moore, M.D. ....	Physician Specialist 2
Helena P. Marshall, M.D. ....	Physician Specialist 2
Dionisio Pinero, M.D. ....	Physician Specialist 3
Luis Rodriquez, M.D. ....	Physician Specialist 2
Julio San Martin, M.D. ....	Chief Physician
K. Sreeramaiah, M.D. ....	Physician Specialist 2
Erlinda Valdecanas, M.D. ....	Staff Physician
Virgilio Valdecanas, M.D. ....	Physician Specialist 1
Raul Veiga, M.D. ....	Physician Specialist 1
Chieh-Cheng Wu, M.D. ....	Physician Specialist 2
Pedro L. Tamayo, M.D. ....	Physician Specialist 2
Teofilo Tomas, M.D. ....	Physician Specialist 2
Paolo Zerbi, M.D. ....	Physician Specialist 3

RIVERS HOSPITAL

Mahmud Majanovic, M.D. ....	Director
Francisco Madrid, M.D. ....	Senior Staff Physician
Jose R. Sanchez, M.D. ....	Staff Physician
A. Steinhards, M.D. ....	Staff Physician

MEDICARE

Edwin W. Allen, Sr., M.D.* ....	Chief of Service
Luis Carrodegua, M.D. ....	Senior Staff Physician
Geraldine Pilcher, M.D. ....	Psychiatric Resident
Bernardo Utset, M.D. ....	Staff Physician

COORDINATOR, HOSPITAL CONSTRUCTION

Michael L. Sheppeck, M.D.

\* Diplomate, American Board of Psychiatry and Neurology



#### DENTAL SERVICE

Robert Watson, D.D.S., Director  
Ray Camp, D.D.S.  
Jack Groover, D.D.S.  
Raymond Johnson, D.D.S.  
Joe Lister, D.D.S.  
Richard Rogers, D.D.S.  
Phillip Spence, D.D.S.  
James Vaden, D.D.S.  
William Willoughby, D.D.S.  
Thomas Wylie, D.D.S.

#### PHARMACY

Durward Poland, Phar.D., Director  
Ken Autry, B.S.  
Clarence Gissendanner, B.S.  
Edgar Height, B.S.  
Thomas Reese, B.S.  
Rymer Rivers, B.S.  
Glenn Veal, B.S.  
William F. Kendricks, B.S.  
Raymond Covey, Intern



### NURSING SERVICE

Bernice H. King, R.N. .... Acting Nursing Service Administrator  
 Vera W. Knowles, R.N. .... Assistant Nursing Service Administrator

### DIRECTORS OF NURSING

Ouida Couch, R.N. - Unit I	Edna Ross, R.N. - Unit VI
Fay H. Fidler, R.N. - Unit II	Mary A. Bell, R.N. - Unit VIII
Frances Osborne, R.N. - Unit III	Virginia Smith, R.N. - Unit IX
Ruth D. Mullis, R.N. - Unit IV	Janet Smith, R.N. - Unit X
Mildred Daniel, R.N. - Unit V	Irene Wood, R.N. - Jones Hospital
Valeria Atchison, R.N. - Rivers Hospital	

### PSYCHIATRIC OUT-PATIENT CLINIC

Mary W. Billue, R.N., Nurse Supervisor

### PSYCHIATRIC AFFILIATION PROGRAM

Maidana Nunn, R.N., M.S. ....	Assistant Director of Nursing
Beatrice Tribble, R.N., A.B. ....	Nurse Supervisor
Pauline Anderson, R.N. ....	Senior Staff Nurse
Gertrude Thigpen, R.N. ....	Senior Staff Nurse
Gloria A. Williams, R.N. ....	Senior Staff Nurse
Alice Paschal, R.N. ....	Senior Staff Nurse

### PSYCHIATRIC AIDE PROGRAM AND INSERVICE EDUCATION

Vivetta Kramer, R.N., M.S. ....	Assistant Director of Nursing
Christine Brookins, R.N. ....	Nurse Supervisor (Grant Program)
Glenda Ridley, R.N., B.S. ....	Nurse Supervisor
Ellen Carr, R.N. ....	Senior Staff Nurse
	Clinical Instructor, Unit II
Gladys Moore, R.N., B.S. ....	Senior Staff Nurse
	Clinical Instructor, Unit III
Vivian Knight, R.N., B.S. ....	Senior Staff Nurse
	Clinical Instructor, Unit V
Mary H. Thomas, R.N. ....	Senior Staff Nurse
	Clinical Instructor, Unit VIII
Ruth Leverette, R.N. ....	Senior Staff Nurse
	Clinical Instructor, Unit IX
Lee Bell, R.N. ....	Senior Staff Nurse
	Clinical Instructor, Rivers Hospital

### REMOTIVATION

Lolita Rutland, R.N., Ph.D. ....	Director
Mattie L. Pennington, R.N. ....	Supervisor



### SOCIAL WORK

Kenneth F. Jasnau, M.S.S., A.C.S.W. ....	Director
E. O. Melton, M.S.W., A.C.S.W. ....	Assistant Director
Nancy E. Barnes, M.S.W. ....	Social Worker III
E. Wayne Bland, M.S.W. ....	Social Worker III
Brenda M. Jones, M.S.W., A.C.S.W. ....	Social Worker III
Martha C. Tomlin, M.S.W. ....	Social Worker III
Roy H. Brown, M.S.W. ....	Social Worker II
Lynne N. Feagin, M.S.W. ....	Social Worker II
Carolyn B. Grant, M.S.W. ....	Social Worker II
Jim D. Lanier, M.S.W. ....	Social Worker II
Walker McKnight, M.S.W. ....	Social Worker II
Rosa C. Mendoza, M.S.W. ....	Social Worker II
Kirk C. Minor, M.S.W. ....	Social Worker II
Janet E. Scott, M.S.W. ....	Social Worker II
Caleb Paul Wright, M.S.W. ....	Social Worker II
Suzanne R. Wright, M.S.W. ....	Social Worker II
Carol Andrews, M.S.W. ....	Social Worker I
David R. Burgest, M.S.W. ....	Social Worker I
Joseph T. Hodge, M.S.W. ....	Social Worker I
Patricia R. Karatela, M.S.W. ....	Social Worker I
Allie C. Kilpatrick, M.S.W. ....	Social Worker I
Louise H. Powell, B.A. ....	Social Worker I
Lamar H. Watkins, M.S.W. ....	Social Worker I

### TECHNICIANS

Truett Abbott, A.B.	Wanda Dykes McKnight, A.B.
Annette Acree, A.B.	Martha McLaurin, B.A.
Renwick F. Bradley, A.B.	Wilbur Manson, B.A.
Ludwina G. Bull, B.S.	Byron O. Merritt, B.A.
Nancy J. Carter, B.A.	June Moore, B.A.
Janet E. Clark, B.A.	Eloise B. Myles, B.A.
Elizabeth Collins, A.B.	John W. Prather, A.B.
K. Holley Cowan, A.B.	Lena M. Price, B.A.
Anita Cruz, B.A.	Frances B. Rogers, B.A.
Yvonne J. Everett, B.A.	Virginia L. Shealy, B.A.
Edwin A. Gregory, B.S.	Mary Ann Simmons, B.A.
Emmett L. Griswold, B.S.	Doris T. Sutton, A.B.
R. Darryl Herren, A.B.	TeCoah Tucker, A.B.
Gayle Hooks, A.B.	Gwendolyn G. Turner, B.A.
Sarah F. Ivey, B.S.	Jewell J. Turner, A.B.
Kaye W. Lanier, A.B.	Joan S. Venable, B.S.
Jeannette M. Lewis, A.B.	Harry C. Weathers, B.A.
Charles C. Lowery, B.A.	Patricia Weerts, B.S.
M. Andrew McCollum, B.S.	Nedra M. Williams, B.A.

### SOCIAL WORK AIDES

Carrie L. Smith  
Wanda Whitaker



## SOCIAL WORK - SCHOLARSHIPS

Roy H. Brown  
 Nancy J. Carter  
 Edwin A. Gregory  
 Joseph T. Hodge  
 Jim D. Lanier  
 Walker McKnight

John W. Prather  
 Robert M. Rhymes  
 Doris T. Sutton  
 Gwendolyn G. Turner  
 Richard D. Zellner

CLINICAL PSYCHOLOGY

Robert W. Wildman, Ph.D. .... Director  
 Thomas W. Lucik, Ph.D. .... Senior Clinical Psychologist  
 John J. Gates, Ph.D. .... Clinical Psychologist  
 Robert F. Heap, Ph.D. .... Clinical Psychologist  
 Thomas N. Elliott, M.S. .... Staff Psychologist  
 F. L. Madison, M.A. .... Staff Psychologist  
 L. F. Quattlebaum, M.S. .... Psychologist

## INTERNS

G. F. Beissel, M.S.  
 Thomas N. Elliott, M.S.  
 Harry G. Karras, M.A.

William C. Peel, Jr., M.S.  
 Martin F. Rosenman, M.A.  
 Allen E. Shealy, M.A.

## SENIOR TECHNICIANS

Alice Lee Canipe, M.S.  
 G. Robert Dixon, A.B.  
 Carolyn C. Erickson, M.A.  
 Ivor D. Groves, III, M.A.  
 Wayne Hodges, B.S.

Carlton L. Lanier, M.A.  
 Kenneth W. Varnadoe, M.A.  
 P. Douglas Watson, B.A.  
 Robert W. Wildman, II, B.S.  
 B. Frank Williams, M.Ed.

## TECHNICIANS

Edward H. Amos, Jr., B.A.  
 Tedd B. Brown, A.B.  
 Faye Butler, A.B.  
 William A. Carruso, B.A.  
 H. Lane Dennard, A.B.  
 Lawrence E. Dresdale, B.A.  
 Drena S. Lanier, A.B.

Ray C. Olivier, B.A.  
 Vincent L. Parrish, B.A.  
 James G. Ressenger, A.B.  
 Alexander G. Riddle, A.B.  
 Joanne D. Rogers, A.B.  
 Deborah S. Smith, B.A.  
 James T. Wilkinson, A.B.

## SCHOLARSHIPS

Tedd B. Brown, B.A.  
 G. Robert Dixon, A.B.  
 James D. Foulks, B.S.  
 Wayne Hodges, B.S.  
 Dean Kilpatrick, A.B.

Dennis L. Pilgrim, M.A.  
 Jerry L. Sloan, B.A.  
 R. Douglas Smith, B.A.  
 P. Douglas Watson, B.A.



### CLINICAL CHAPLAINCY

James L. Travis, Th.M. ....	Chief Clinical Chaplain
Ronald A. Wilkins, Th.M. ....	Asst. Chief Clinical Chaplain
Charles Alston, B.D. ....	Clinical Chaplain
Baxter P. Cochran, B.D. ....	Clinical Chaplain
Payton B. Cook, B.D. ....	Clinical Chaplain
John J. Gleason, Th.M. ....	Clinical Chaplain
James F. Hardie, M.A. ....	Clinical Chaplain
Robert Z. Powell, Th.D. ....	Clinical Chaplain
Milton P. Snyder, Th.M. ....	Clinical Chaplain
O. Chappell Wilson, M. Div. ....	Clinical Chaplain
Joseph G. Cassidy, A.B. ....	Catholic Chaplain
Harold L. Gelfman, D.D. ....	Rabbi
Ervin R. Oermann, B.D. ....	Chaplain to the Deaf
Charles B. Fanshaw, M.R.E. ....	Chaplain to the Deaf

### RESIDENTS

Robert E. Ballard, Th.M.	C. Jack Caudill
Joseph S. Dukes, III, B.D.	Raymond J. Lawrence, Th.M.

### INTERNS

Claude L. Andrews, B.D.	Robert W. Addiss, B.D.
C. Paul Bennett, B.D.	William Counselman, B.D.
L. Leneal Fortner, B.D.	J. Mark Gaines, B.D.
William W. Goins, Th.M.	Robert Gray, B.D.
William M. Hearn, B.D.	Andrew L. Miles, B.D.
Ralph T. Milligan, B.D.	G. Guy Walton, Th.M.

### RECREATION THERAPY

Bruce R. Prosser, B.S., M.S. ....	Director
Helen Callaway, B.S. ....	Recreation Therapist II
Lyndoll U. Moore, A.B. ....	Recreation Therapist II
Ronald R. Smith, B.S. ....	Recreation Therapist II
Charles M. Vandiver, B.S. ....	Recreation Therapist II
Anna G. Warnock, B.S. ....	Recreation Therapist II
Betty J. Welch, A.B. ....	Recreation Therapist II
Ronald Farmer, B.S. ....	Recreation Therapist I
Wayne Gay, B.S. ....	Recreation Therapist I
Charles Parramore, B.S. ....	Recreation Therapist I

### INTERNS

Philip Ackerman  
Susan Bingham  
Richard Lewman



MUSIC THERAPY

Herbert P. Goldsmith, RMT ..... Director

## Music Therapists

Judy A. Baron, RMT  
 Beth B. Carroccio, RMT  
 Dennis F. Carroccio, RMT  
 Elizabeth Caudill, B.A.  
 Solomon Cunio, B.M.  
 Sandra Graham, B.M.E.  
 Saralyn Latham, M.A.

Jayne Marsh, M.A., RMT  
 Mary Mattos, RMT  
 Suzanne Pipp, RMT  
 Carol Prickett, RMT  
 Pamela Roberson, B.A.  
 Carolyn Sanders, RMT  
 Jeannette Warren, RMT

OCCUPATIONAL THERAPY

Dorothy M. Clarke, O.T.R. .... Director  
 Karen A. Harms, O.T.R. .... Occupational Therapist

VOLUNTEER SERVICES

Jane M. Haddock, B.S., CVC ..... Director

## STAFF

Susan Coursey, A.B.  
 C. Earnest Yearwood, A.B.



### VOCATIONAL REHABILITATION

W. C. Petty, A.B. .... Director  
 Marvin Denton, Jr., B.S., M.Ed. .... Supervisor of Services  
 Jesse P. Collette, B.S. Ed. .... Supervisor, Counseling Service  
 Thomas Gannaway, B.S., M.A. Supervisor, Evaluation & Adjustment Services  
 James C. Grover, A.B. .... Supervisor, Job Development

### REHABILITATION COUNSELORS

Harry D. Bates, B.S., M.R.C.	Dennis M. O'Conner, A.B., B.D.
Charles H. Boland, Jr., A.B., B.D.	Robert E. Pickett, B.A., M.Ed.
Alvin D. Dixon, III, B.S.	Peter Shenkman, B.A., M.R.C.
Marsha S. Fields, A.B., M.C.E.	Helen P. Simpson, B.S.
Joseph J. Fulbright, A.B., LL.B.	Joe Frank Stevens, B.A., B.D.
Irwin P. Gates, Jr., B.A., B.D.	Algie E. Thomas, A.B.
James D. Helton, A.B.	Frances W. Torrance, B.S., M.H.E.
William M. Moore, Jr., A.B., B.D.	Mary Janis Weathers, B.S.

### EVALUATORS

Ronald Barnard, B.A., M.Ed.	Henry M. Hopkins, Jr., B.A.
Tom W. Brown, B.S.	Jane Rhodes, B.A.
Lanier Browning, B.S.	John W. White, B.A.
Julian F. Council, B.A.	Robert Wiley, B.S., M.Ed.
Edwin R. Freeman, B.S.	

### WORK ADJUSTMENT INSTRUCTORS

Pat Collins	Virginia Mullis
Faye P. Day	Robert L. Strickland
Miles A. Jones, Jr.	

### VOCATIONAL INSTRUCTORS

James Adcock	Anne Hamilton
Wynelle Armstrong, R.N.	Ruth Marshall, B.S.
A. L. Booth	Ken Ryals
E. M. Bradford	Jacquelyn Shell
Charlene Carpenter	Gloria Smith, B.S.
K. E. Donaszewski	Marianne Thompson, B.S.
Arthur Jones	



# SCHOOL OF SPECIAL EDUCATION

John H. Rawlins, B.S., M.Ed. .... Principal

## TEACHERS

Suelle Austin, B.S., M.Ed.

Pamela Bryant, B.S.

Bessie Burton, B.S.

Pam Bush, B.S.

Larry Callaway, B.S.

Karen Caruso, B.S.

Cathy Chapman, B.S.

Elaine Cowan, B.S.

Roberta Crittenden, B.S.

Bertha Eakins, B.S.

Mary Edwards, B.S.

Antoinette Ennis, A.B.

Colleen Farmer, B.S.

Robert Floyd, B.S.

Gertrude Higgins, B.S., M.Ed.

Lois Irvin, A.B.

Walter Kirkland, B.S., M.Ed.

Collins Lee, B.S.

E. J. Lundy, B.S.

John Martin, B.S.

James Nelson, A.B.

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AND SO, ONCE MORE, THE TALE IS TOLD  
WHAT WILL THE FUTURE YEAR UNFOLD?  
BRIGHT HOPE, NEW PROGRESS, OR A COLD  
UNFEELING APATHY?  
YOU HAVE THE ANSWER...YOU, MY FRIEND  
CAN HELP THESE LONELY ONES TO MEND  
THEIR SHATTERED MINDS, IF YOU EXTEND  
A LOVING SYMPATHY

Ray Brown



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